

A&A

Abbreviations & Acronyms

**for
Range Technical Services
on the Eastern Range**

July 2004

NOTE

This Abbreviations and Acronyms guide is available
for electronic viewing on shared drive path:
\\c1722fp2\A&A\A&A01.doc.

**Computer Sciences Raytheon
Patrick Air Force Base, Florida**

FOREWORD

An abbreviation is a shortened form of a written word or phrase. An acronym is a word formed from the initial letters of several words as in ARIA for Advanced Range Instrumentation Aircraft. Note that, although letter symbols for units of measurement are neither abbreviations nor acronyms, many are included in this document.

Some definitions are difficult to track down because the equipment, system, or program that introduced the term is now obsolete, but the term is still in use. Some symbol standards are so new they are resisted and the older, more familiar, versions retained as is the case with the symbols for expressions of rate.

Over 6,000 abbreviations and acronyms are presented in the alphabetical listing that follows. They have been gathered from a variety of sources. The list is comprehensive and some entries have more than one definition; final interpretation, therefore, will depend upon the context. Capitalization of definitions depends on context. If the acronym is used in a specific context, the definition uses initial capitalization. If the context is general, the definition uses lower-case. The majority of the definitions listed in this A&A are general to the extent referenced.

If you have additions, deletions, corrections or other suggestions, please complete form RTS 5-155 which is available on shared drive path: \\csr_internal\rts_docs\csrforms using Delrina Form Flow. Forward the completed RTS 5-155 and additional comments to Mission Documentation, CSR 3110. The A&A will be revised as required by CSR Mission Documentation.

°	degree(s)
°/s	degrees per second
±	plus or minus
—	minus
+	plus
%	percent
λ	wavelength
@	at
Δ	change
Σ	sum
Ω	ohm
Ø	phase
ØA/ØB/ØC	phase A/phase B/phase C
μ	micro
μA	microamperes
μF	microfarads
μH	microhenrys
μs, μsecond(s)	microsecond(s)
μs/mm	microseconds per millimeter
μW	microwatts
1 ROPS	1st Range Operations Squadron
1 SLS	1st Space Launch Squadron
1 SLS OB	1st Space Launch Squadron Operations Building
1st Lt	1st Lieutenant
2F	MK4 instrumented reentry body
2nd Lt	2nd Lieutenant
3 SLS	3rd Space Launch Squadron
3 SOPS	3rd Space Operations
301 RQS	301st Rescue Squadron
45 CE	45th Space Wing Civil Engineering
45 CES	45th Civil Engineer Squadron
45 LG	45th Logistics Group
45 MXS	45th Maintenance Squadron
45 OG	45th Operations Group
45 OSS	45th Operations Support Squadron
45 SFS	45th Security Forces Squadron
45 SPTG	45th Support Group
45 SW	45th Space Wing
45 SW/SE	45th Space Wing Safety
45 WS	45th Weather Squadron
5 SOPS	5th Space Operations
920 RQG	920th Rescue Group

A ABBREVIATIONS AND ACRONYMS

Å	Angstrom	ABE	Army Background Experiment
A	ampere(s)	ABFM	Airborne Field Mill
A Carr	automatic carrier	ABG	Air Base Group
A&CO	assembly and checkout	ABL	Atmospheric Boundary Layer
A&E	Architecture and Engineering	ABM	acquisition bus monitor
A&P	Administration and Personnel		antiballistic missile
A-3	Polaris		apogee boost motor
a.m.	before noon	ABMDA	Army Ballistic Missile Development Agency
A/A	air-to-air		airborne
	azimuth angle	ABN	aviation breathing oxygen
A/B	Airborne	ABO	Airborne Bistatic Receiver
A/C	air conditioning	ABR	available bit rate
A/D	analog-to-digital (conversion)		absolute
	automatic destruct	ABS	alpha-based steering
A/G	air-to-ground	ABSS	Airborne Security System
A/L	approach/landing	ABT	abort
	Airlock	ac	alternating current
A/R	as required	AC	Air Conditioning
A/V	audiovisual	ACA	Associate Contractor Agreement
A1C	Airman, First Class	ACB	air circuit breaker
A50	Aerozine 50	ACC	accuracy
A55	Support Area 55		Air Combat Command
A57	Solid Motor Buildup Area 57		Alternate Control Center
AA	Aluminum Association		Area Control Center
	angular accelerometer		Army Communications Command
AAA	active acquisition aid	ACCOR	Army Communications Security Central Office of Record
	astronaut-activated abort		Arms Control and Disarmament Agency
AAAF	Ascension Auxiliary Airfield	ACDP	Auxiliary Control and Display Panel
AAC	Alaskan Air Command	ACDS	Antigua Command Destruct Site
AACB	Aeronautics and Astronautics Coordinating Board	ACDAH	Alternate CDAH
AACOR	Assistant ACOR	ACE	Advanced Composition Explorer
AACS	Airborne Astrographic Camera System	ACF	Administrative Control Facility
AAE	alarm assessment element		automatic control facility
AAF	Auxiliary Airfield	acft	aircraft
AAFES	Army and Air Force Exchange Service	ACFT OP	Aircraft Operation
AAG	Aeronautical Assignment Group	ACI	American Concrete Institute
AAL	ATM Adaption Layer	ACIA	Asynchronous Communications Interface Adapter
AAL1	ATM Adaption Layer 1	ACIF	Ascension Consolidated Instrumentation Facility
AAMA	American Architect Manufacturers Association	ack	acknowledge
AAP	Affirmative Action Program		acknowledgment
AAS	Antigua Air Station	ACM	advanced cruise missile
AASE	Airborne Arctic Stratospheric Expedition	ACMA	Automated Command Message Analyzer
AASHTO	American Association of State Highway and Transportation Officials	ACME	Automated Command Message Evaluation
AAV	advanced aerospace vehicle	ACO	accountable officer
AB	airborne		action cutout
	autobeacon		Administrative Contracting Officer
ABBR	abbreviation		

ABBREVIATIONS AND ACRONYMS A

	Area Control Officer		Adelaide, Australia
	Aerospace Control Officer	ADEWS	Air Defense Electronic Warfare System
	Aircraft Control Officer	ADF	antidetonation fluids
ACOC	Area Communications Operations Center		automatic direction finding
ACOR	Administrative Contracting Officer's Representative	ADG	automatic downgrade
acos	arc cosine	ADI	Air Defense Initiative
ACP	Allied Communications publication	ADIS	Ascension Designate Improvement System
acpt	accept	ADIZ	Air Defense Identification Zone
ACQ, acq	acquisition	ADM	add/drop multiplexer
ACQ-1,2	Acquisition Line 1 and 2	admin	administration
ACR	auxiliary computer room	ADMS	Automatic Data Monitoring System
ACRBC	acceptance, checkout, retest, and backout criteria	ADMSC	Automatic Digital Message Switching Center
ACRC	assured crew return capability	ADO	Assistant Deputy Commander for Operations
ACRS	Alternate Crew Recovery System	ADOC	Air Defense Operations Center
ACS	Antigua Command System	ADOTS	Advanced Delta Ordnance Test Set
	Area Control Station	ADP	Acquisition Data Processor
	Attitude Control System		advanced display processor
	Auxiliary Control System (Delta)		automated data processing
ACSC	Air Command and Staff College		automatic data processing
ACSC-E	Alternate Central Security Control	ADPCM	adaptive differential pulse code modulation
	Assistant Chief of Staff for Communications-Electronics	ADPE	automated data processing equipment
ACSPA	Assistant Chief of Staff for Personnel and Administration		automatic data processing equipment
act	action	ADPS	Automated Data Processing System
ACTR	ADIS contractor tape reader		Automatic Data Processing System
ACTS	Advanced Communication Technology Satellite	ADRAM	advanced digital range machine
ACU	Antenna Control Unit	ADS	air data sensor
ACU M	mated ACU		Air Defense Squadron
ACU N	nonmated ACU		angular displacement sensor
ACWP	actual cost of work performed		Automated Data Services (USNO)
ADA	air defense artillery		Automatic Destruct System (Delta, Atlas)
	alignment diode assembly	ADSL	asymmetrical digital subscriber line
ADC	Acquisition Data Controller	ADSS	Ascension Designate Software System
	analog-to-digital converter	ADTC	Air Force Armament Development and Test Center
	Antenna Designate Converter (Unit)	ADTU	Advanced Digital Test Unit
ADC/SCO	analog-to-digital converter/subcarrier oscillator	ADU	Airborne Digitizer Unit
ADCOM	Aerospace Defense Command		Antenna Designate Unit
ADCON	analog-to-digital converter		Automatic Destruct Unit
ADCS	Attitude Determination and Control Subsystem	ADWS	automatic digital weather switch
ADDEE	addressee	AE	amplitude error
ADJUST	Automatic Determination and Dissemination of Just Updated Steering Terms	AEA	Hangar AE (CCAFS)
ADDS	Army Data Distribution System	AEC	air entraining admixture
ADE	above-deck equipment	AED	automatic exposure control
			analog event distribution

A ABBREVIATIONS AND ACRONYMS

AEDC	Arnold Engineering Development Center	AFERSS	Air Force Environmental Rocket Sounding System
AEDS	automated electronic digital switching	AFFTC	Air Force Flight Test Center
AEGIS	airborne early warning/ground environment integration segment	AFGE	American Federation of Government Employees
AEI	audio end instrument	AFGL	Air Force Geophysics Laboratory
AEPG	Army Electronic Proving Grounds	AFI	Air Force Instruction
AER	azimuth, elevation, and range	AFIT	Air Force Institute of Technology
AEROMED	aeromedical	AFLC	Air Force Launch Conductor
Aeroshell	heatshield and backshell		Air Force Launch Controller
AESC	Automated Electronic Switching Center		Air Force Launch Crew Commander
AETB	Alumina Enhanced Thermal Barrier	AFLD	Air Force Logistics Command
AEWTS	Advanced Electronic Warfare Test Set	AFLVTC	Air Force Launch Vehicle Test Conductor
AF	Air Force	AFM	Air Force manual
	audio frequency	AFMAG	Air Force Management Analysis Group
AF&F	arming, fusing, and firing	AFMC	Air Force Materiel Command
AF/M	Air Force/Mobile	AFMDC	Air Force Missile Development Center
AFAA	Air Force Audit Agency		
AFADTC	Air Force Armament Development and Test Center	AFNSEP	Air Force National Security Emergency Preparedness
AFAL	Air Force Avionics Laboratory	AFOSH	Air Force Occupational Safety and Health
AFAMPE	Air Force Automotive Message Processing Equipment	AFOSI	Air Force Office of Special Investigations
AFATDS	Advanced Field Artillery Tactical Data System	AFOSR	Air Force Office of Scientific Research
AFATL	Air Force Armament Test Laboratory	AFOTEC	Air Force Operational Test and Evaluation Center
AFB	Air Force Base	AFP	Air Force program
AFBA	Armed Forces Broadcasters Association		Air Force pamphlet
AFC	Area Frequency Coordinator	AFR	Air Force regulation
	Automatic Frequency Control	AFRAM	Air Force Repairable Asset Material
AFCC	Air Force Communications Command	AFRAMS	Air Force Recoverable Assembly Management System
AFCMD	Air Force Contract Management Division	AFRES	Air Force Reserve
AFCO	Air Force Communications Officer	AFS	Air Force Station
	automatic fuel cutoff	AFSARC	Air Force Systems Acquisition Review Council
AFCOMS	Air Force Commissary Service		
AFCRL	Air Force Cambridge Research Laboratories	AFSAT	Air Force satellite
AFCS	Air Force Communications Service	AFSATCOM	Air Force Satellite Communications (System)
AFCSC	Air Force Cryptologic Support Center	AFSC	Air Force Specialty Codes
AFD	aft flight deck		Air Force Systems Command
AFDIGS	Air Force Digital Graphics System	AFSCC	Air Force Satellite Countdown Controller
AFDPRC	Air Force Disaster Preparedness Resource Center	AFSCF	Air Force Satellite Control Facility
AFEMS	Air Force Equipment Management System	AFSCN	Air Force Satellite Control Network
		AFSD	Air Force Site Director

ABBREVIATIONS AND ACRONYMS A

AFSO	Assistant Flight Safety Officer	AIG	address indicator group
AFSPC	Air Force Space Command	AIM	active inert missile
AFSPOC	Air Force and Space Command Operations Center		ASA interface module
AFSSN	Air Force Space Surveillance Network	AIP	abandoned in place
AFSTC	Air Force Satellite Test Center		advanced instrumentation payload
	Air Force Space Technology Center		advanced instrumentation platform
AFSWC	Air Force Special Weapons Center	AIPS	Advanced Instrumentation Project
AFT	Air Force Test		Army Information Processing Standards
AFTAC	Air Force Technical Applications Center	AIR	Atmospheric Instrumentation Research, Inc.
AFTD	Air Force Test Director	Air-Gap MDTs	Air-Gap Message Distribution Terminals
AFTEC	Air Force Test and Evaluation Center	AIRCOM	Air Communications
AFTO	Air Force Technical Order	AIRTEVRON	Air Test And Evaluation Squadron
AFTRCC	Aerospace and Flight Test Radio Coordinating Council	AIS	Automated Inventory System
AFW	Air Force Weather (formerly AWS)	AISC	American Institute of Steel Construction, Inc.
AFWA	Air Force Weather Agency	AISI	American Iron and Steel Institute
AFWAL	Air Force Wright Aeronautical Laboratories	AIT	assembly, integration, and test
AFWL	Air Force Weapons Laboratory	AITE	Assembly and Integration Trailer
AFWTF	Atlantic Fleet Weapons Test Facility		Assembly and Integration Trailer Extension
AGAVE	automatic gimballed-antenna-vectoring equipment	AITG	advance interface timing generator
AGBFM	Advanced Ground-Based Field Mill	AITG-VME	Advanced Interface Timing Generator-Versatile Memory Expansion
AGC	automatic gain control	AIU	Abort Interface Unit
AGD	Adjutant General Department	AIX	Advanced Interactive eXecutive (IBM's version of UNIX)
AGE	aerospace ground equipment	AJ	anti-jam
AGL	above ground level	AJCM	anti-jam control modem
AGM	Absorbed Glass Mode	AL	approach landing
AGMC	Aerospace Guidance and Metrology Center	AKM	apogee kick motor
AGVS	Air-to-Ground Voice System	ALARA	as low as reasonably achievable
AHT	available holdtime	ALCE	Airlift Control Element (Team)
AHU	Air Handler Unit	ALCM	air-launched cruise missile
AI	action item	ALCOR	ARPA-Lincoln C-band Observables Radar
	after inventory	ALC	Air Logistic Center(s)
	air ignited	ALCS	Advanced Launch Control System (Delta)
	artificial intelligence	ALDOT	air-launchable deep ocean transponders
	Asphalt Institute	ALDS	Apollo Launch Data System
AIA	American Institute of Architects	ALFE	advanced liquid feed experiment
AIAA	American Institute of Aeronautics and Astronautics	ALGS	Atlantic Laser Ground Station
AIAC	Aerospace Industry Advisory Council	ALMET	air launched meteorological probe
AICUZ	Air Installation Compatible Use Zone	ALRC	Aerojet Liquid Rocket Company
		ALS	Advanced Launch System
			American Lightwave System
			Approach Landing System
		alt	alternate
			altitude

A ABBREVIATIONS AND ACRONYMS

ALTAIR	ARPA Long-range Tracking and Instrumentation Radar	AN/APW-11	radar beacon transponder
ALTRV	altitude reservation	AN/DPN-66	radar beacon
ALU	Arithmetic and Logic Unit	AN/FPQ-0	Missile Precision Instrument Radar (MIPIR)
ALV	advanced launch vehicle	AN/FPQ-13	modified on-axis AN/FPQ-16 Radar
AM	address modifier	AN/FPQ-14	on-axis tracking Radar
AM/DSB	amplitude modulation/double sideband	AN/FPQ-15	precision on-axis space tracking Radar
AM/ISB	amplitude modulation/independent sideband	AN/FPS-16	auto tracking Radar
AM/SSB	amplitude modulation/single sideband	AN/FPS-26	SAGE Radar (special purpose)
AMARS	Automatic Message Address Routing System	AN/GMQ-11	wind measuring set
AMAS	Automated Monitoring and Alarm System	AN/RPQ-14	modified on-axis MIPIR
AMB	ambient	AN/SPS-35	search Radar used for Range clearance
AMC	Air Mobility Command	AN/SRN-9	Radio Navigation System
AMD	Army Materiel Command	AN/SSQ-41	sonobuoy
AME	Aerospace Medical Division	AN/TPQ-18	Missile Precision Instrumentation Radar (MIPIR)
AMHS	Automated Message-Handling System	ana	analysis
AMI	alternate mark invert	ANCC	ASCII Null Code Converter
AMIS	American Megatrends, Inc.	ANCIF	Antigua Central Instrumentation Facility
AMME	Automated Management Information System	AND	Andros Island
AMOS	automated multimedia exchange	ANDG	ADIS network data gateway
	automatic marine observing stations	ANDVT	advanced narrowband digital voice terminal
	automatic meteorological observing station	ANG	Air National Guard
AMOUNT	Acquisition of Multiple Objects from Updated Nominals and Track	ANMC	American National Metric Council
AMP	Archive and Monitor Processors	ANMS	ATM Network Management System
amp	ampere	ANOM	anomaly
ampl	amplifier	ANSI	American National Standards Institute
AMPS	Asset Maintenance Planning System	ant	antenna
	Automated Meteorological Profiling System	ANT	Antigua (Station 91)
AMPTE	Active Magnetospheric Particle Tracer Explorers	ANTIF	Antigua Instrumentation Facility
AMQ	analog multiplexer quantizer	antilog	antilogarithm
AMR	aerodynamic maneuvering reentry	Ao	operational availability
AMRAAM	advanced medium-range air-to-air missile	AOA	abort once around
AMS	adaptive mode switch		airborne optical adjunct
AMSAT	American Satellite Corporation	AOC	alignment optics assembly
AMU	Applied Meteorology Unit	AOCC	Aircraft Operations Center
AN	average monthly usage		Aircraft Operations Control Center
	annually	AOCC-IS	ARIA Operations Control Center
		AOCE	AOCC Information System
			attitude and orbit control electronics
		AOCP	attitude and orbit control processor
		AOCS	Attitude and Orbit Control System
		AODS	All-Ordnance Destruct System
		AOR	Atlantic Ocean Region
		AOS	acquisition of signal
			Atlantic Ocean Ship
		AOSP	advanced onboard signal processor

ABBREVIATIONS AND ACRONYMS A

AOT	acquisition of track		Army Readiness Group
	actual operating time	ARGOT	ARIS Real-time Graphics Operations Terminal
AOV	acquisition of visual (view or vehicle)	ARIA	Advanced Range Instrumentation Aircraft
AP	as produced	ARJS	Airborne Radar Jamming System
APA	advanced position analyzer	ARM	anti-radiation missile
APC	Automatic Phase Control	armd	armored
APCS	Autonomous Payload Control System	ARMS	Automatic Range Meteorological System
APD	avalanche photodiode	ARNG	Army National Guard
	AWDS product driver	ARPA	Advanced Research Projects Agency
APDS	AWDS Product Driver Subsystem		
APER	analog parameter and event recorder	ARQ	automatic response for query
API	American Petroleum Institute	ARR	aeroflex camera
APL	Allowance Parts List	ARRS	Aerospace Rescue and Recovery Service
	Applied Physical Laboratory		
APL/JHU	Applied Physics Laboratory/Johns Hopkins University		Air Rescue Reconnaissance Squadron
APM	ascent particle monitor	ARS	Air Rescue Service (USAF)
	Assistant Program Manager	ARSENAL	Arts Elements of Navigation (Chevaline)
APP	antenna position programmer		
APPS	Auxiliary Payload Power System	ARSP	Aerospace Research Support Program
APS	automation procedure sequencer		
	auxiliary power supply	ARTC	Air Route Traffic Control
APT	automatic picture transmission	ARTCC	Air Route Traffic Control Center
APU	Auxiliary Power Unit	ARTS	Automated Remote Tracking Station
APXS	Alpha proton X-ray spectrometer		
AQ	allowance quantity	arty	artillery
AR	anomaly report	artygp	artillery group
	as requested	AS	Air Station
ARAC	Atmospheric Release Advisory Committee		anti-spoofing
	automatic retraining auxiliary channel (203L6 modem)	ASA	autoskin
ARAM	automated reliability/availability/maintainability	ASAP	advanced statistical analysis
		ASARS	Army Security Agency
ARAR	Accident Risk Assessment Report		as soon as possible
ARC	American Red Cross		Advanced Synthetic Aperture Radar System
	Ames Research Center	ASAS	All-Source Analysis System
	Analysis Reduction Center	ASAS/ENSCE	All-source Analysis System/Energy Situation Correlation Element
	Automated Range Control	ASAT	antisatellite (weapon)
ARCC	Automated Range Control Center	ASC	Administrative Service Center
ARE	attack response exercise		American Satellite Corporation
ARES/RISO	Airborne Remote Earth Sensing/Rockets Impact on Stratospheric Ozone		Ascension (Station 12)
			authorized support card
ARFA	Allied Radio Frequency Agency	ASCIF	The Aerospace Corporation
ARFAPS	Allied Radio Frequency Agency Permanent Staff	ASCII	Ascension Instrumentation Facility
			American Standard Code for Information Interchange
ARFORSTAT	Army Force Status Reporting System	AS/CO	Air Surveillance and Control Operator
ARG	Argentia, Newfoundland	ASCO	Aerojet Services Company
	argument		

A ABBREVIATIONS AND ACRONYMS

	Airfield Support Coordination Officer	ASTG	Aerospace Test Group
	automatic sustainer cutoff	ASTM	American Society for Testing and Materials
ASCR	aluminum conductor steel reinforced	ASW	antisubmarine warfare
ASD	Aeronautical Systems Division (USAF)	async	asynchronous
	Assistant Air Force Site Director	AT	attenuator
ASD (T)	Assistant Secretary of Defense (Telecommunications)	AT&T	autotrack
ASDP	Advanced Space Defense Program		American Telephone & Telegraph Company
ASDPB	Automated System Disk Build Procedure	ATA	actual time of arrival
ASE	airborne support equipment		Applied Technology Associates
ASI	Ascension Island (Delivery Destination Code)	ATACS	Advanced Telemetry Automatic Calibration System
ASI/MET	atmospheric structure instrument/meteorology package		Army Tactical Communications System
ASIC	application-specific integrated circuit	ATAN	arc tangent
ASIN	arc sine	ATARS	Advanced Tactical Air Reconnaissance System
ASIPE	A Scientific Instrument Protective Enclosure	ATB	advanced technology bomber
ASIT	Adaptable Surface Interface Terminal	ATC	all trunks busy
ASL	above sea level		Action Taken Code
	authorized stock list		Aerojet Technical Systems Company
ASME	American Society of Mechanical Engineers	ATCAP	Air Traffic Control
ASMS	Advanced Strategic Missile Systems		Air Training Command
ASN	acquisition and stabilization network		Assistant Test Conductor
ASO	Astrotech Space Operations Company	ATCO	Army Telecommunications Automation Program
ASOC	Atlas V Spaceflight Operations Center (formerly the MIS)	ATCS	automatic fuel cutoff
ASOS	Automated Surface Observing System	ATD	Active Thermal Control System
ASPI	Advanced SCSI Programming Interface	ATE	actual time of departure
ASPJ	airborne self-protection jammer		administrative telephone element
ASPR	Armed Services Procurement Regulation	ATF	automated test equipment
ASPS	Acoustic Ship's Positioning System	ATI	automatic test equipment
ASR	automatic send and receive teletypewriter	ATK	advanced tactical fighter
ASRM	advanced solid rocket motor	ATLAS	automatic target integration
ASRS	Automated Support Report System		Alliant Tech Systems
	Automated Support Requirements System		attack
ASSC	Alternate Space Surveillance Center		Abbreviated Test Language for all systems
assy	assembly		Atmospheric Laboratory for Applications and Science
		ATLS	advanced trauma life support
		atm	atmosphere(s)
		ATM	Asynchronous Transfer Mode
		ATMS	Auxiliary Telemetry Monitoring System
		ATO	abort-to-orbit
		ATOTS	Advanced Transportable Optical Tracking System
		ATP	Acceptance Test Procedure
			Analog Translator Processor
			authority to proceed
			Automatic Transfer Switches

ABBREVIATIONS AND ACRONYMS A

ATR	Advanced Tactical Radar	AWN	Automated Weather Network (USAF)
ATRX	Air Transportable Communications and Instrumentation Complex	AWO	Authorized Work Order
ATS	accelerator test stand	AWP	annual work plan
	Acoustic Tracking System	AWS	American Welding Society
	Advanced Tracking System		attendant workstation
	Automatic Transfer Switches	AWSP	Air Weather Service pamphlet
ATSCO	Alternate Top Secret Control Officer	AWSR	Air Weather Squadron Report
ATSE	air traffic support element	AWTR	Australian Woomera Test Range
ATT	attenuator	AWWA	American Water Works Association
ATTN	attenuation		
ATV	advanced TV	AX	annex
ATW	Aerospace Test Wing	AZ	azimuth
AT WT	atomic weight	AZ/EL	azimuth/elevation
AUI	Attachment Unit Interface	AZR	Azores
AUT	antenna under test		
AUTEC	Atlantic Undersea Test and Evaluation Center		
AUTH	authorized		
AUTO	automatic		
AUTOCRAT	Automatic Computer Radar Acquisition and Track Program		
AUTODIN	Automatic Digital Network		
AUTOSE-VOCOM	automatic secure voice communications		
AUTOVON	Automatic Voice Network		
AUV	avionics upgraded vehicle		
AUX	auxiliary		
AUXTRACK	auxiliary angle tracking		
AV	audiovisual		
AVA	Acquisition Video Assembly		
AVC	automatic volume control		
AVCS	Altitude Velocity Control System		
AVD	alternate voice data		
AVE	acquisition video electronics		
avg	average		
avgas	aviation gasoline		
AVN	aviation		
AVP	address verification pulse		
AVV	automatic vehicle verification		
AW	aural warning		
AW/AA	attack warning/attack assessment		
AWB	airway bill		
AWD	Authorized Work Document		
AWDS	Advanced Weather Display System		
	Automated Weather Distribution System		
AWG	American Wire Gauge		
AWIPS	Advanced Weather Interactive Processing System		
AWMPS	Automated Meteorological Profiling System		

B ABBREVIATIONS AND ACRONYMS

b	bit	BDD	burst detection dosimeter
b&w	black and white	bde	brigade
b/in	bits per inch	BDE	below-deck equipment
B/O	back order	BDF	blocked data format
	burnout	BDIF	bandpass input filter
b/s	bits per second	BDP	burst detection processor
B/s	bytes per second	BEAST	binary Edwards acquisition system
B/TOX	blast toxic		translator
B/U	backup	BECO	booster engine cutoff
B/W	both ways	BECP	Basic Electronics Communications
B1	bank 1		Plan
B2	bank 2	BED	block error detector
B4	bank 4	BEE	Bioenvironmental Engineer
B8ZS	bipolar with eight zero substitution	BER	bit error rate
BAA	broad agency announcement	BERT	best estimate of re-entry trajectory
BAC	Base Advisory Council		bit error rate test
	Boeing Aerospace Company	BES	budget estimate submission
	budget at completion	BEST	Booster Exhaust Study Tests
BAE	British Aerospace	BET	best estimate of trajectory
BAFO	best and final offer	BETA	ballistic coefficient
BAP	base auxiliary power	BEU	breathing escape unit
BARC	BROKEN ARROW response	BF	base funded
	capability	BFASI	British Forces Ascension Island
BAS	Broadbeam Antenna System	BFD	buffer comparison delay (computer
BASE-MDT	MDT connected to PAFB Base		I/O routine)
	communications	BFM	beam-forming module
BASG	Ball Aerospace Systems Group	BFO	beat frequency oscillator
BASH	bird air strike hazard (study)	BFS	Backup Flight System
BASIC	Beginner's All-Purpose Symbolic	BGV	boost glide vehicle(s)
	Instruction Code	BH	blockhouse
BB	broadband		busy hour
BBXRT	broadband x-ray telescope	BHMA	Builders Hardware Manufacturers
BC	ballistic camera		Association, Inc.
BC&W	British Cable & Wireless	BI	before inventory
BCC	Battery Control Central		biphase
	Brevard Community College	BICO	Bionetics Corporation
BCD	binary-coded decimal	BIDDS	Base Information Digital
BCDS	Broadband Communication		Distribution System
	Distribution System		Base Integrated Data Distribution
BCE	Base Civil Engineer		System
BCH	binary-coded hexadecimal	BIF	Bermuda Instrumentation Facility
	Bose-Chandhuri-Hocquengheu	BIG	Basic Information Guide
	(coding scheme)	BIH	built-in hold
bcn	beacon		Bureau Internal de l'Heure
BCP	Base Comprehensive Plan		(International Bureau of Time)
BCS	Battery Computer System	BIM	ballistic intercept missile
BCWP	budget cost of work performed		bus interrupt module
BCWS	budget cost of work scheduled	BIO	Bionetics Corporation
Bd	baud	BIOS	Basic Input/Output System
BD	beam director	BIR	based on information revealed
BDA	Bermuda		bus interface rack
	buffer the data/address		busy idle refresh
BDC	buffered data channel	BISDN	broadband ISDN
BDCF	Baseline Data Collection Facility	BIT	built-in test

ABBREVIATIONS AND ACRONYMS **B**

bit	binary digit	bps	bits per second
BITS	Building Integrated Timing System	BPSK	binary phase shift keying
BITE	built-in test equipment	BR	branch
BIU	Black Interface Unit	BRAG	bearings
BIL	biphase level	BRCH	broach
BK	bench kit	BRIG GEN	Brigadier General
BL0	butt line zero	BRL	Ballistic Research Laboratory
BLAIDS	Base Level Automated Information Data System	BRN-3	Navigation System
BLAST	blast damage assessment model	BRRS	Banana River Repeater Station
Bldg	building	BRTS	Bilateration Ranging Transponder System
BLK	blank	BS	Base Supply
	black (unclassified signals)		boresight
	block	BSC	Base Station Computer
BLM	Bureau of Land Management		beam steering capability
BLSR	bi-directional line switched ring	BSD	Ballistic Systems Division (AFSC)
BLST	blast damage assessment model	BSE	Broadcasting Satellite Experimental (Japanese)
BM	Base Manager	BSI	Boeing Services International
	bus master	BSMV	bistable multivibrator
BMA	beamwalk mirror assembly	BSS	Base Service Store
BM/C3	battle management/command, control, and communications		Base Supply System
BMD	ballistic missile defense		Boeing Satellite System
BMDSC	Ballistic Missile Defense System Command		Broadcast Satellite Service
BMEWS	Ballistic Missile Early Warning System	BSSD	Ball Space System Division
BMO	Ballistic Missile Organization	BST	boresight tower
BMS	balanced magnetic switch		Brief System Test
BMT	bottom-mounted transponders	BSTS	Boost Surveillance and Tracking Satellite
BNC	baby n connector	BSU	Beam Steering Unit
	Bayonet-Neill-Councilman type radio frequency (RF) connector	BTCC	Base Telecommunications Center
BNE	bathymetric navigation equipment	BTCCR	bit timing and carrier recovery
BNS	Bathymetric Navigation System	BTL	Bell Telephone Laboratories
BO	Balloon Operator	BTM	bottom
	Boeing Operations	BTP	Burst Time Plan
BOA	broad ocean area	BTST	Balloon Transport System Test
BOC	Booster Operations Controller	Btu	British thermal unit
BOD	beneficial occupancy date	Btu/ft ²	British thermal unit per square foot
BOE	basis of estimate	bu	backup
BOI	basis of issue	BUC	Buckhorn Lake, CA (NASA station, EDWAFB)
	break of integrity	BUFR	Binary Universal Form for the Representation
BOM	Base Operations Manager	BURP	BOM Utility and Report System
	bill of material	BV	Booster Vehicle
BOS	booster ordnance and sequence box	BVI	British Virgin Islands
BOT	beginning of tape	BVM	Booster Vehicle Manager
	beginning of transmission	BW	bandwidth
BP	bracket panel		beamwidth
bph	brake horsepower		biweekly
bpi	bits per inch		bridge-wire
BPIO	back panel I/O	BWBS	beamwalk beam splitter
BPO	beam passage observation	BWCP	Base Wire-Communications Program
BPS	bytes per second ("B/s" preferred)		

B

ABBREVIATIONS AND ACRONYMS

BWCS	Base Wire-Communications Systems
BY	budget year
BYP	bypass
BX	Base Exchange

ABBREVIATIONS AND ACRONYMS



°C	Degrees Celsius	CACS	Converter Analyzer Computer Subsystem
C	capacitance	CAD	computer-aided design
	Celsius	CADS	Control and Display
	Confidential	CAD/CAM	computer-aided design/computer-aided manufacturing
	continuous during holdfire	CADCPS	combined antenna drive command program
	coulomb	CADFISS	Computation and Data Flow Integrated Subsystem (test)
	dewpoint	CADH	command and data handling
C (and number)	Capacitor (for example, C2)	CADL	communications and data link
C3	command, control, and communications	CAE	computer-aided engineering
C3I	command, control, communications, and intelligence	CAI	computer-aided instruction
C4	Command, Control, Communications and Computers	CAISS	Centaur airborne interface simulator set
C&D	Control & Display	CAK	controlled access key
C&DH	command and data handling	cal	calibration
C&DHS	Command and Data Handling System		cost account leader
C&DM	Configuration and Data Management	CALS	calibration
C&E	communications and electronics		Computer-aided Acquisition and Logistics System
C&M	control and management	CAM	collision avoidance maneuver
	Control & monitor		computer address matrix
C&P	Chesapeake and Potomac		computer-aided manufacturing
C&S	control and status		content addressable memory
C&TVO	Command & Television Operations/Operator	CAMIS	Cost Accounting Management Information System
C&W	Cable and Wireless (Ascension & Bermuda)	CAMS	Core Automated Maintenance System
CD&SC	Communications Distribution & Switching Center	CAN	canister
	caution and warning	CANBER	Canada-Bermuda cable designator
C-band	3900-to-6200 MHz band	CAO	Contract Authorization Order
C-E	communications-electronics	CAP	Central Acquisition Processor
C/A	coarse acquisition		Civil Air Patrol
C/C	command/control		command acceptance pattern
C/D	command/destroy		command analysis pattern
	countdown		Communications-Electronics Authorization Program
C/DE	control and display element	CAPCOM	Control and Applications processor
C/N	carrier-to-noise ratio		Capsule Communications
C/O	checkout		Capsule Communicator
C/O	cutoff	CAPEMAP	cape map
C/R	carriage return	CAPF	crew activity planning function
C/SSR	Cost/Schedule Status Report	CAPPI	constant altitude plan position indicator
C/TAV	crossover/transatmospheric vehicle	CAPRI	compact all-purpose range instrument
C/U	countup	CAPS	Cape Automated Preventive Maintenance System
CA	change authorization		Crew Activity Planning System
CAB	circuit assurance block		Crew Altitude Protection System
CAC	Combined Arms Center	CAPT, Capt	Captain
	Command and Control		
	Continental Air Command		
	crossing area commanders		

C ABBREVIATIONS AND ACRONYMS

CARA	Configuration Request for Action	CC/KSC	Cape Canaveral/Kennedy Space Center
CARAC	Caribbean-Atlantic Submarine Cable		
CAR1RQST	Carrier Request 1 signal		
CARDS	Computer-Aided Recording & Display System		
CARF	Central Altitude Reservation Facility		
CARP	command analysis reduction program		
CARR	carrier		
CAS	combat alert status Command Antenna System Cost Accounting Standards		
CASE	computer-aided software engineering		
CASS	Consolidated Automated Support System Critical Airborne Surveillance System		
CAT	category computer-aided track		
CATS	comfortable approach to teaching science		
CATWMS	Computer-Aided TOCC Wire Management System		
cav	cavalry		
CB	circuit breaker Cocoa Beach common battery cumulonimbus clouds		
CB DOAMS	Cocoa Beach DOAMS		
CBARF	command backup automatic recovery feature		
CBB	contract budget base		
CBC	Common Booster Core (Delta IV)		
CBIT	control bit		
CBL	commercial bill of lading		
CBR	constant bit rate		
CBRE	chemical, biological, and radio-logical element		
CBT	Computer Based Training		
CBTI	combat intelligence		
CBTS	Computer-based Training System		
CBW	constant bandwidth		
CBX	computerized branch exchange		
CC	card column condition code Central Control Commander (position) condition code Configuration Controller Control Center corrected copy or courtesy copy		

ABBREVIATIONS AND ACRONYMS



CCA	Circuit Card Assembly	CCLIB	Consistent Constants Library
CCAM	Contamination Control Area	CCLS	Computer Controlled Launch System
CCAP	contamination and collision avoidance maneuver	CCM	configuration, control and monitor
	Central Computer Analysis and Programming	CCMS	Communication Configuration Management System
CCAPS	Computer Controlled Atlas Pressurization System	CCN	Contract Change Notice
CCAFS	Cape Canaveral Air Force Station	CCP	Contract Change Proposal
CCB	Cocoa Beach, Florida	CCPDS-R	Command Center Processing Display System-Replacement
	Common Core Booster	CCPS	command/control power supply
	Configuration Control Board	CCR	Commander's Conference Room
CCBD	Configuration Control Board Directive		Commander's Control Room
CCBTS	common carrier broadcast data transmission service		Contract Change Request
CCC	Cape Communications Control	CCRF	control center rack
	Central Computer Complex		Consolidated Communications Recording Facility
	Change and Configuration Control	CCRS	Central Command Remoting System
	Command Communicator Console		
	common control card	CCS	Cape Command System
	CORDIAL Configuration Controller		Central Computer System
	crypto control channel		CORDIAL Central Server
CCD	change contents of fixed data		Command Communications System (S-band, aboard IU)
	CMD's (computer I/O routine)		Command/Control System (Ship)
	charge-control device		communication conference switch
	charge-coupled device		Contamination Control Station
	Configuration Control Document	CCSDC	Consultative Committee for Space Data Systems
CCDP	Common Command data pool		
CCDTS	common carrier domestic satellite transponder service	CCSRS	Cape Command Site Remoting System
CCE	Charge Composition Explorers (GSFC)	CCT	Central Communications Terminal (Jet Propulsion Laboratory)
	Controller console equipment		Command Control Transmitter
CCEB	Combined Communications Electronics Board	CCTCF	Communications Circuit Technical Control Facility
CCET	Centaur Combined Electrical Test	CCTF	Cape Consolidated Task Force
CCF	Central Computer Facility	CCTV	closed-circuit television
CCG	Cape Canaveral Group	CCU	Camera Control Unit
CCH	Configuration Control Handbook		Console Control Unit
CCI	catalogued communications item	CCU-2	Console Control Unit Bay 2
	Central Communications Interface	CCU-3	Console Control Unit Bay 3
	commercial carrier interface	CCV	controlled configured vehicle
	controlled cryptographic item	CCVAPS	Computer Controlled Vent and Pressurization System
CCIM	command computer input multiplexer		
CCIR	International Radio Consultative Committee	CCW	counterclockwise (spell out when possible)
CCIS	common channel interoffice signaling	CCZ	crowd control zone
CCITT	International Telegraph and Telephone Consultative Committee	CD	calendar days
CCL	contamination control line		carrier detect
			command destruct
			computer drive
			countdown
			customer descriptor

C ABBREVIATIONS AND ACRONYMS

CD&SC	Communications Distribution and Switching Center	CE	Computer Display Unit cargo element Chief Engineer circuit emulation Controller console Corps of Engineers (Army preference; USAF prefers "COE")
CDA	command and data acquisition Copper Development Association, Inc.	CEA	control electronic assembly Council of Economic Advisors
CDAH	Central Defense Area Headquarters	CEC	Consolidated Electrodynamics Corporation
CDC	Command Destruct Control Confined Detonating Card Control Data Corporation	CECO	Campbell Entry Control Centaur engine cutoff Central Equipment Control Office Central Property Management Office
CDCC	Command Destruct Control Console	CECOM	Communications and Electronics Command
CDCE	central data conversion equipment	CEI	contract end item
CDDI	copper distributed data interface	CELSS	Closed Ecological Life Support System
CDDT	Countdown Demonstration Test	CELV	complementary expendable launch vehicle (Titan IV)
CDF	communications data formatter cumulative distribution function confined detonating fuse continuous debris footprint	CEM	communications-electronics-meteorological
CDHF	Central Data Handling Facility (upper atmosphere research satellite)	CEMP	Communications and Electronics Maintenance Program
CDHS	Computer/Data Handling Subsystem	CEMS	Communications and Electronics Maintenance Support Shop
CDI	catastrophic debris impact		Communications-Electronics Management System
CDML	Configuration Data Management Library		Contractor Equipment Management System
CDMS	Command and Data Management System Control and Display Maintenance Specialist	CENCOMS	Center for Communications System
CDOG	Combat Development Objectives Guide	CENTO	Central Treaty Organization
CDOS	Customer Data and Operations System	CEOI	Communications-Electronics Operation Instruction
CDP	Central Data Processing	CEP	circular error of probability circular error probable Concept Evaluation Program control electronics power
CDPF	Command and Data Processing Center	CEPS	Cost Estimating/Pricing System
CDPS	Central Data Processing System	CEPT	European Conference of Postal and Telecommunications Administration
CDR	Command Destruct Receiver (Titan) Critical Design Review Commander	CER	cost estimating relationship
CDR, Cdr	Contract Data Requirements List	CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CDRL	compact disk – read-only memory	CERT	Composite Electrical Readiness Test
CD-ROM	Central Data System Clock Distribution System Command Destruct System Control and Display Subsystem CORDIAL Distributed Server	CERV	crew escape and reentry vehicle
CDS	Communications Distribution and Switching Center	CES	Circuit Emulation Service Coast Earth Station
CDSC	Canberra Deep Space Communications Complex		
CDSCC	Control & Display Segment		
CDSEG	Computer Decoder Unit		
CDU			

ABBREVIATIONS AND ACRONYMS



CESE	communications equipment support element		Controlled Information Center
CESO	Communications-Electronics Support Office	CID	customer interface console
CET	CINC Evaluation Test	CIDE	charge injection device
CF	computer entry tape		Communications Interface and Data Exchange
	center frequency	CIDS	Critical Item Development Specification
	code frame	CIE	communications interface equipment
	combination fuse	CIF	Central Instrumentation Facility
CFA	crossed field amplifier		Consolidated Instrumentation Facility
CFAE	contractor-furnished aeronautics equipment	CIG	Contractor Interface Guide
CFAR	constant false alarm rate	CIM	computer input multiplexer
	Contractor Financial Accounting Report	CINC	Commander in Chief
CFB	cipher feedback	CINCEUR	Commander in Chief Europe
CFD	computational fluid dynamics	CINCLANT	Commander in Chief Atlantic Forces
CFE	communications front end		
	contractor-furnished equipment	CINCLANT-FLT	Commander in Chief, US Atlantic Fleet
CFLOS	cloud-free line of sight	CINCNORAD	Commander in Chief NORAD
cfm	cubic feet per minute	CINCPAC	Commander in Chief Pacific
CFO	center frequency offset	CINCS	Commander in Chief Space Command
CFON	Cape fiber optic network		
CFR	Code of Federal Regulations	CIO	Custom I/O
	Combined Federal Regulations	CIR	Cargo Integration Review
CFSR	Contract Funds Status Report	circ	circulate (usually refers to circular polarization)
CG	center of gravity	CIRRIS	Cryogenic Infrared Radiance Instrumentation
	Coast Guard	CIS	commercial instruction set
	Commanding General		Communication Interface System
	Communications Group	CISC	CSOS integration support contractor
CGACTR	ADIS Contractor Tape Reader	CISP	commercial instruction set processor
CGCICV	Inter Center Vector	CISS	Centaur Integrated Support System
CGI	computer graphics interface	CITE	Cargo Integration Test Equipment
	CORDIAL graphics interface	CITS	Combat Information Transport System
CGLSS	Cloud-to-Ground Lightning Surveillance System		
CGS	Coast and Geodetic Survey	CIV	critical ionization velocity
CH	channel	CIVU	Command Insertion and Verification Unit
	character		
	chief	CIU	Control Interface Unit
CH SETTING	channel setting	CK	check
CHAN	channel	CKT, ckt	circuit
CHATS	Communications Handler and Test System	CL	closed loop
CHCDER	checkcode error		common language
CHG	charge	CLASS	Cross-Loran Atmospheric Sounding System
CHMC	Chief, Mission Control	CLB	common language buffer
CHP	command history printer	CLCC	Centaur Launch Control Center
CHSMER	checksum error		
CI	communications instrument configuration item		
CIA	Central Intelligence Agency		
CIC	command identifier code		
	control item code		

C ABBREVIATIONS AND ACRONYMS

CLFMI	Chain Link Fence Manufacturers Institute	CMIS-T	Command Management Information System Test and Evaluation
CLI	Compression Laboratories, Inc.	CML	Consolidated Material List
CLIN	contract line item number	CMMCA	Cruise Missile Mission Control Aircraft
CLP	cell loss priority	CMMS	Computerized Maintenance Management System
CLR	cell loss ratio	CMO	Configuration Management Organization
CLS	clear clear screen commercial launch services communications line switch(ing) contingency landing site	CMOS	complementary metal-oxide semiconductor
CLSP	Cooperative Satellite Learning Project	CMP	Centaur Mission Program Command Message Processing Command Message Processor Configuration Management Plan
CLT	Centaur launch transporter communications line terminal	cmptr	computer
CLVM	Console Level Voice Matrix	CMR	cell misinsertion rate Center Management Review Classified Material Receipt command monitoring and recording
CM	Certified Manager Configuration Management Configuration Management Organization control and monitoring corrective maintenance		
cm	call minutes centimeter(s)	CMRS	Contract Manager Representative Command Monitoring and Recording System
CMA	corrective maintenance actions	CMS	Command Management System Command Monitoring System
CMC	Cheyenne Mountain Complex Command Management Center command module computer	CMSgt	Chief Master Sergeant
CMCC	Classified Material Control Center	CMU	Command Modulation Unit
CMCL	Configuration Management Central Library	CMUD	Command Modulation Unit Decoder
CMCR	command mode configuration request	CMUE	Command Modulation Unit Encoder
CMCS	Communications Security Material Control System	CN	Change Notice
CMD, cmd	command	CNA	certified Novell Administrator
CMD	command program	CNB	Canberra 26m Deep Space Network Station (3-letter designator)
CMDF	central metric data file	CNCE	communications nodal control element
CMDH	command history	CNCE(M)	communications nodal control element, (management)
CMDL	Configuration Management Data Library	CNCE(T)	communications nodal control element, (technical control)
CMDSA	Communications Security Material Direct Support Activity	CNE	certified Novell Engineer
CMEV	Command Message Encoder Verifier (do not use "CME/V")	CNES	Centre National d'Etudes Spatiales (National Center of Space Studies, France)
CMFA	communications monitor and formatter assembly	CNO	Chief of Naval Operations
CMG	control monitor group	CNV	Canaveral Cape Canaveral Air Force Station (3-letter designator)
CMI	computer-managed instruction	CNWDI	Critical Nuclear Weapon Design Information
CMIL, cmil	circular mil	CO	Commanding Officer component of
CMIS	Command Management Information System		

ABBREVIATIONS AND ACRONYMS



Co.	Contracting Officer	COMSUBPAC	Commander, Submarine Force, US Pacific Fleet
COAM	company	ComTech	communications technician
COAS	customer owned and maintained		
coax	Crew Optical Alignment Site		
COB	coaxial		
COBE	close of business		
COC	cosmic background explorer	COMTEL	manufacturer of NASCOM Integrated Services Digital Network time division multiple access systems
COCO	Combat Operations Center		
COD	Configuration Operator Console	CON	console
CODATS	Consistent Constants	CONF	Confidential
	Contingency Operations Director		conference
	Coherent Data Acquisition and Tracking System	CONOPS	concept of operations
codec	coder/decoder compressor/decompressor	CONS	console subsystem
codit	computer direct to teletype (coded digitized translation)	CONSTAT	Console Constants
CODME	Communication Digital Message Network Element	CONT	continuous wave
COE	Center of Expertise	cont'd	continued
COEP	Corps of Engineers (USAF preferred)	CONTEL/ASC	CONTEL Corporate Communications
COI	Console Operator Expansion Panel		
COL	Command Operating Instruction	CONUS	Continental United States
COLA	Colonel	coord	coordination
	Collision Avoidance (computer program)	COP	co-orbiting platform
	cost-of-living allowance		company observation post
Col.	Colonel	COPARS	Contractor-Operated Parts Store
COM	Computer Output Microfilm	COPCC	Co-Orbiting Platform Control Center
	computer output-to-microfiche		
COMINT	communications intelligence	COPM	Cassini Orbital Parameter Message
COMM, comm	communications	COR	coherent on receive
COMMEN	Communications Center		Contracting Officer's Representative
COMMCHIEF	Communications Chief		
COMMGR	Communications Manager	CORDIAL	Configuration Reporting Display and Logging (system)
	NASCOM Communications Manager or GSFC Communications Manager	CORDIALC	CORDIAL control
COMMO	communications facilities	CORDIALF	CORDIAL function
COMMSUPV	Communications Supervisor	CORDIALP	CORDIAL processing
COMMZ	communications zone	CORDIALW	CORDIAL workstation
COMP	number comparison	CORE	Central Operation of Resources for Educators
	comparator		
comp	composite	COS	Checkout Station (VIB)
COMPTTEL	Compton telescope (gamma ray observatory)		Chief of Staff
COMPUSEC	Computer Security		Corporation for Open Systems International
COMSAT	Communications Satellite Corporation	cos	cosine
COMSEC	Communications Security	COSAIL	Communications Synchronous/Asynchronous Interface Link
COMSTAR	communications satellite	COSAL	Coordinated Shipboard/Shoreboard Allowance (test)
COMSUB-LANT	Commander, Submarine Force, US Atlantic Fleet	COSIP	Coherent Signal Processing System(s)
		COSIR	cite our service in reply
		COSL	Commander, Oceanographic System, Atlantic
		cot	cotangent

C ABBREVIATIONS AND ACRONYMS

COTR	Contracting Officer's Technical Representative	CRACS	Control Room
COTS	commercial-off-the-shelf	CRADIS	Cape Radar Area Control System
	Container Offloading and Transfer System (USN)		CSCI's Ascension Designate Improvement System
COTSS	Classified Operational Telecommunications Switching System	CRAF	Comet Rendezvous and Asteroid Flyby
COTT	compressed theoretical trajectory	CRAS	Cable Record Automated System
COV	coverage	CRC	cyclic redundancy check
CP	candle power		cyclic redundancy check character
	canister pallet	CRD	Command Receiver/Decoder
	centrally procured		Corps of Engineers Handbook for Concrete and Cement
	chamber pressure	CRD/IRD	Command Receiver Decoder/Integrated Receiver
	command post		central retransmission decommutator and storage buffer
	central processor	CRDSB	
CPA	Canaveral Port Authority		
	closest point of approach	CRF	combined radio frequency (report)
CP/AEI	Communication Panel and Audio End Instrument	CRIP	Cooperative Retirement Income Plan
CPAF	cost plus award fee	CRIS	Coastal Radar Integration System
CPCB	Computer Program Certification Board	CRIT	Critical Power Source
		CRISD	Computer Resources Integrated Support Document
CPCI	Computer Program Configuration Item		
		CRL	Circuit Routing List
CPCT	Current Profile and Compatibility Test	CRO	chemical release observation
		cron	chronological
CPE	collocated program element	CRP	computer reset pulse
CPF	Centaur Processing Facility		configuration requirements
CPFF	cost plus fixed fee		processor
CPI	communications processing interface	CRR	Change Recommendation Report
			Churchill Research Range, Manitoba, Canada
cpi	characters per inch		
CPIF	cost plus incentive fee	CRRES	Combined Release Radiation Effects Satellite
CPMS	Comprehensive Power Management System		
		CRS	Coherent Radar System
CPOCC	Centaur Payload Operations Control Center		Command Remoting System
		CRSI	Concrete Reinforcing Steel Institute
CPR	Cardiopulmonary Resuscitation		
	Cost Performance Report	CRT	cathode-ray tube
CPS	Central Processing System	CRU	Command Remoting Unit
	Consolidated Planning System	CRYPTO	cryptography or cryptographic
CPU	Central Processing Unit	CS	Cape Support
CPU-29	Central Processing Unit 29		chip select
CPU F/W	central processing unit firmware (microcode)		communications segment
			Communications Subsystem
CPX	command post exercise		control segment
CPXB	Computer Program Certification Board		copper steel
			cruise stage
CR	card reader		computer site
	carriage return	CS&TC	channel switching and technical control
	command receiver		
	command request	CSA	Communications Service Authorization
	Configuration Reporting		
	continuing resolution	CSA	Communications System Agency

ABBREVIATIONS AND ACRONYMS



	Configuration Status Accounting cross-service agreement	CSNR	Contract Spares Notification Report
CSAF	Chief of Staff, United States Air Force (HQUSAF/CC)	CSO	Cape Support Office
CSAS	Command Steerable Antenna System		Cognizant Security Office
CSB	circuit selection board		Complex Safety Officer
CSC	Cape Support Coordinator		Command Station Operator
	Central Security Control	CSOC	Command Systems Officer
	Command Station Controller		Consolidated Space Operations Center
	Command System console	CSOM	Computer System Operator's Manual
	Command System Control/Controller	CSP	Contract Support Plan
	common signaling channel		Control and Status Processing
	Computer Sciences Corporation	CSPE	communications system planning element
	computer software component	CSPT	Cape Support
CSCE	communications system control element	CSR	command/status register
CSCI	Computer Software Configuration Item		Computer Sciences Raytheon
CSD	Chemical Systems Division		computer system resource
CSDF	count status data format	CSS	control status register
CSDL	Charles Stark Draper Laboratory		Centaur standard shroud
CSDM	computer system diagnostic manual		combat service support
CSD/UT	Chemical System Division, United Technologies		command signal switch
CSD/UT	Chemical Services Division, United Technologies		communication synchronization signal
CSE	circular standard error		communications system segment
	configuration and switching equipment	CSSC	Computer Support Services
CSEG	Command Contract Support Equipment Group		Constant Surveillance Service
CSG	Centre Spatial Guyanais	CSSO	Control and Setup Subsystem
csh	C-shell	CST	Consolidated Safety Support Contract
CSI	customer service information		Computer Systems Security Officer
CSIF	Communications Service Industrial Fund	CSTC	central standard time
CSIP	C-band Sensitivity Improvement Program	CSU	Combined Systems Test
CSL	Computer Science Laboratory		Consolidated Space Test Center
CSLL	Computer Science Laboratory Library		Channel Service Unit
CSM	call supervisor mode		Circuit Switching Unit
	central switch matrix		Computer Software Unit
	command and service module		Customer Service Unit
	command storage memory		Customer Software Unit
CSMA	carrier sense multiple access	CSWA	command status word address
CSMA/CA	carrier sense multiple access/collision avoidance	CSYSTSTU	Command System Test Unit
CSMA/CD	carrier sense multiple access/collision detection	CT	Central Timing
CSN	Command Sequence Number		command transmitters
			control transformer
			crawler transporter
		CTCI	Computer to Computer Interface
		CTCS	Central Timing/Count Subsystem
		CTDB	common technical data base
		CTE	central timing equipment; update CTE delay (computer I/O routine)
		CTF	combined test force
			Commander Task Force

C ABBREVIATIONS AND ACRONYMS

CTI	Command Technologies Inc. customer turn-in	CZR	ribbon-frame camera
CTIM	Central Timing		
CTL	Channel Type List CSC Training Library clear to launch		
CTM	Contract Technical Manager		
CTM (Msg)	console to M&C		
CTMC	Central Telemetry Master Controller		
CTN (Msg)	console to NCC (TCC in NASCOM operation)		
CTO	control tower operator		
CTOC	Corps Tactical Operations Center		
CTPS	Centralized Telemetry Processing Subsystem		
CTRL	control		
CTS	clear to send Command Transmitting System Communications and Tracking Subsystem		
CU	Converter Unit		
cu.ft.	cubic feet		
cu.in.	cubic inches		
CUMBIN	cumulative-binomial computer program		
cu.yd.	cubic yards		
CVM	Command Verification Message		
CVSC	Cafeteria and Vending Services Contract		
CVT	Current Value Tables		
CW	chemical warfare clockwise (spell out when possible)		
cw	continuous wave		
CWA	Communications Workers of America		
CWBS	Contract Work Breakdown Structure		
CWD	Chemical Warfare Defense		
CWDE	Chemical Warfare Defense equipment		
CWDF	Classified Waste Disposal Facility		
CWMS	CW Metrics System		
CWS	Central Workstation		
CWSC	CW Support Center Continuous Wave Support Center		
CX	Complex (launch) control transmitter		
CX36	Complex 36		
CY	calendar year copy		
CYI	Canary Island, Spain (MSFN NASA station)		
CYS	copies		

D

ABBREVIATIONS AND ACRONYMS

D	daily	DARIC	Defense Automated Resources Information Center
	declassify	DARPA	Defense Advanced Research Projects Agency
	desired requirement	DARTS	Digitized Automatic Radar Tracking System
	demonstration	DAS	Data Accounting System
	discontinuous during holdfire		Data Accumulation System
d	day(s)		data acquisition and switching
D/A	digital-to-analog (conversion)		Data Acquisition Segment
D/C	data communications		Data Acquisition Subsystem
D/H	degrees per hour		Data Acquisition System (Centaur)
D/I	due in		Datron Antenna System
D/O	deorbit		Doppler Acoustic Sounder Network
	due out	DASN	
D/R	downrange (adj) or down range (noun)	DASO	Demonstration and Shakedown Operation
	Driver/receiver	DASP	Digital Assisted Service Program
D/TTY	digital-to-teletype converter	DASS	Doppler Acoustic Sounding System
D/W	direct write	DAT	designate, acquisition, and track
D2	Delta vehicle second stage		digital audio tape
D4	DASO Launch Area	DATACOM	data communications
D5	Trident II missile	DATIN	data in
D5X	Trident II development missile	DATOUT	data out
DA	Department of the Army	DAU	Data Acquisition Unit
DAA	Designated Approval Authority		Data Archive Unit
DAADG	Digital-to-Analog Attitude Data System	DAV	data valid
DAAR	designate angle auto range	dB	decibel(s)
DAARB/O	designate angle auto range beacon with optical Q-bit	DB	data base
DAB	Daytona Beach, Florida	db	data bit
DAC	Digital-to-Analog Converter	dB/K	decibels, 1 degree Kelvin
	discriminating attack capability	dBa	decibel adjusted
DACCS	Department of the Army Command and Control System	DBA	Database Administrator
DACF	Data Acquisition and Control Function		direct budget authority
DACS	Digital Attitude Control System	dBc	decibels below carrier
DADS	Digital Attitude Data System	DBC	Digital Baseband Converter
DAFLC	Deputy Air Force Launch Crew Commander		Digital Bridge Card
DAL	data/address line	DBDD	Data Base Design Document
DAL/ID	Data Accession List/Internal Data	DBFP	debris footprint
DAM	deorbit assist maneuver	dB _i	decibel referenced to isotropic
DAMA	demand-assigned multiple access	dB _c	decibels isotropic circular (polarization)
DAME	Division Airspace Management Element	DBIF	data buffer interface
		dBm	decibels, 1 milliwatt reference
DAOS	delete all other support		decibels above 1 meter
DAP	Data Analysis Processor	DBM	Milliken High Speed Camera
DAR	Defense Acquisition Regulation	DBMS	Data Base Management System
DARC	Data Acquisition and Reduction Center	dBrp	decibel reference acoustic pressure
		DBRITE	Digital Bright Radar Indicator Tower Equipment
DARCOM	US Army Materiel Development and Readiness Command		
DARE	Doppler automatic reduction equipment	dB _{rn}	decibel reference noise
		dB _{rn} c	decibel reference noise C-message weighting

D

ABBREVIATIONS AND ACRONYMS

dBsm	decibels square meter	DCT	Digital Command Terminal
dBsn	signal-to-noise ratio (in dB)		Digital Communications Terminal
dBu	decibel unit	DCT ROM	Digital Communications Terminal/ Read-Only Memory
DBU	Data Buffer Unit	DCU	Data Cartridge Unit
dBV	decibels, 1 volt reference		Data Control Unit
dBW	decibels, 1 watt reference		Digital Computer Unit (Centaur)
dBZ	decibels, reflectivity factor		Digital Control Unit
dc	direct current		Drive Control Unit
DC	direction cosine	DCWCS	Directional Control and Warning Communications System
	directional coupler	DD&R	data distribution and release
DCA	Defense Communications Agency	DDAS	Distributed Data Acquisition System
DCAA	Defense Contract Audit Agency	DDC	Defense Documentation Center
DCACOC	DCA Operations Center		digital data converter
DCASEF	DCA Systems Engineering Facility	DDD	Detailed Design Document
DCC	data computation complex		direct distance dialing
	designate control console	DDE	data distribution element
DCCS	Digital Communications Conference Switch		distributed data environment
DCD	data carrier detect	DDIE	Dual Digital Interface Equipment
DCDR	decoder	DDMS	DOD Manned Space Flight Support Office
DCE	data communications equipment	DDN	defense data network
	data-converting equipment		Department of Defense Network
DCEC	Defense Communications Engi- neering Center	DDR&E	Director of Defense Research & Engineering
DCEO	Division Communications-Elec- tronics Officer	DDS	Data Distribution Subsystem
DCF	Display Computer Function		Data Distribution System
DCG	Disaster Control Group		digital data storage
DCI	Documentation Change Instruction		Digital Distribution System
DCISE	data-conversion interface and switching equipment	DDT	dichloro-diphenyltrichloroethane
DCL	digital common language	DDT&E	design, development, testing, and evaluation
DCM	dual camera module	DDTS	Deployment Doppler Tracking System
DCMS	Defense Communications Monitor- ing System		Distributed Defect Tracking System
DCN	Document Control Number (No.)	DDU	Data Display Unit
DCOM	Data Communication		Dual Drive Unit
DCP	data ciphering processor	DE	defense electronics
	data collection platform		this transmission is from the station whose designation follows
	digital communications panel	DEA	Drug Enforcement Administration
DCR	Daily Communications report	DEC	data encryption standard
DCRS	Digital Cassette Recording System		decoder
DCS	Defense Communications System		Digital Equipment Corporation
	Deputy Chief of Staff	dec	decimal
	Digital Command System	DECL	declassify
	Digital Communication Switch	DECM	defensive electronic counter- measures
	Digital Communication System		Digital Equipment Corporation Network
	Director of Civil Space	DECnet	
	Display and Control System	decom	decommutation
	Distributed Computing System		
DCSOPS	Deputy Chief of Staff for Opera- tions and Plans		
DCSS	Digital Communications Switching System		

D

ABBREVIATIONS AND ACRONYMS

DECR	decommutator	DFARS	Department of Defense Federal Acquisition Regulation Supplement
DEFCON	defense condition	DFB	D-link frame block
deg	degree (° preferred)	DFCS	Digital Flight Control System
DEGF	degrees Fahrenheit	DFI	Development Flight Instrumentation
DEIS	Defense Energy Information System	DFM	Data Format
DEL	delete	DFO	Director of Flight Operations
Delco	Delco Electronics, General Motors Corporation	DFP	debris footprint processor
DELNI	digital Ethernet local network interconnect	DFRC	debris footprint processing
delta-t	difference in time	DFRF	Dryden Flight Research Center
DEMARC	demarcation	DFTFACE	Dryden Flight Research Facility
DEMNX	Demultiplexer		direction finding and tracking of frequency agile communications emitter
demo	demonstration	DG	Data General
demod	demodulator	DGM	digital group multiplexer
DEMPR	Digital Thinline Ethernet Multiport Repeater	DGPS	Differential Global Positioning System
demux	demultiplex	DGS	Diego Garcia Station
	demultiplexer	DGSC	Defense General Supply Center
DENS	density	DHI	Door and Hardware Institute
DEOMI	Defense Equal Opportunity Management Institute	DHU	Data Handling Unit
DEP	dedicated experiment processor	DIA	Defense Intelligence Agency
dept	department	dia	diameter
DER	Department of Environmental Regulation	diag	diagnostic
	double experiment rack	DIC	data insertion converter
DES	Data Evaluation System	DICE	Document Identification Code
	Digital Encryption System (CT-5000)	DID	digital interface chassis equipment
DES	Data Encryption Standard	DIER	data item description
	description		Defense Industrial Equipment Reserve
	destination code (computer I/O routine)	DIF	DOMSAT interface facility
DESC	description	DIFF	difference, the result of subtraction
DESIG	designate	DIFM	due-in for maintenance
DET	design energy target		due-in from maintenance
	detachment	difs	differences
DEU	Display Electronic Unit	DIGS	Delta Inertial Guidance System
DEV	deviation	DII	Defense Industry Initiative
DEW	directed energy weapon	DIL	Deliverable Items List
	distant early warning	DIM	dimension
DEWIFAS	Division of Electronic Warfare Intelligence Functional Analysis	DIN	Deutsches Institute for Naming
		DIO	data input/output
DF	detonating fuse	DIO M	mated DIO
	direction finder	DIO N	unmated DIO
	direction finding	DIP	dual inline package (IC)
DFAED	Delayed Forecast Authorization Equipment Data	DIPEC	Defense Industrial Plant Equipment Center
		DIR	direction
			directory
		DIRAM	digital range machine
		DIRBE	Diffuse Infrared Background Experiment

D

ABBREVIATIONS AND ACRONYMS

DIRSSP	Director, Strategic Systems Programs	DMA	Defense Mapping Agency direct memory access
DIS	Defense Investigative Service		Doppler mode adapter
DISCO	Director of Industrial Security Clearance Office	DMAAC	Defense Mapping Agency Aerospace Center
DISCOM	Division Support Command	DMAC	DMA Controller
DISCR	Directorate of Industrial Security Clearance Review	DMATC	Defense Mapping Agency Aerospace Center
DISN	Defense Integrated Switching Network	DMATC	Defense Mapping Agency
DISP	Defense Industrial Security Program	DMCF	Definitive Medical Care Facility
DISPL	display	DMCO	Delta Mission Checkout Operations
DISTN	distortion	DMD	digital message device
distr	distribution	DME	distance-measuring equipment
DITACS	Digital Tactical System	DMED	digital message entry device
DITAR	Digital Object Attitude Measurement System	DMF	dual MODCOMP failure
	digital telemetry analog recorder	DMF TST	Dual MODCOMP Failure Test
	digital telemetry analog recording	DMM	digital multimeter
DITARS	Digital Telemetry Analog Recording System	DMN	digital message network
		DMNE	digital message network element
DIV, div	division - Delta IV	DMNE-MDT	MDT connected to the DMNE
DL	downlink	DMP	digital monitor panel
DLA	Defense Logistics Agency	DMR	differential microwave radiometer
DLD	delivered (used in teletypewriter messages to indicate that the message has been delivered)	DMS	Data Management Summary
DLM	data line multiplexer (CT-4000)		Data Multiplexer System
DLMEX	Depot Level Maintenance		Decameter Wavelength Monitoring System
DLMLSA	data line multiplexer expansion frame (CT-4000)	DMSK	Digital Microwave System
DLMLSS	data line multiplexer low speed asynchronous (channel card) (CT-4000)	DMSP	differential minimum-shift keying
DLMLSS	data line multiplexer low speed synchronous (channel card) (CT-4000)		Defense Meteorological Satellite Program
DLMMF	data line multiplexer main frame (CT-4000)	DMSPC3	Defense Meteorological Satellite Program Command, Control, and Communications
DLMMSS	data line multiplexer medium speed synchronous (CT-4000)	dn	down
DLPS	Data Load Preparation System	DNA	Defense Nuclear Agency
DLSM	data link summary message	DNAV	Display Navigator
DLT	Digital Linear Tape	DNC	Director of Naval Communications
DLTS	Data Logging & Test Station		Duty Network Controller
DLWO	Deputy Launch Weather Officer	DNG	downgrade
DM	data monitor	DNR	Department of Natural Resources
	deformable mirror	DNS	digital network switch
	deformed mirror	DNVT	Digital Nonsecure Voice Terminal
	Delta modulation (Miller code)	DO	Digital Nonsecure Voice Terminal
	demand code		Deputy Commander for Operations
	department manager		Duty Officer
		DOA	direction of arrival
		DOAMS	Distant Object Attitude Measurement System
		DOB	Data Operations Branch
		DOC	Delta Operations Center
			document
		DOCC	DCA Operations Control Complex
		DOD	Department of Defense
		DoD	Department of Defense

D

ABBREVIATIONS AND ACRONYMS

DOD/UN	Department of Defense/United Nations	DPOCC	Delta Payload Operations Control Center
DODD	Department of Defense Directive	DPPB	Disaster Preparedness Planning Board
DODI	Department of Defense Instruction	DPR	Dual-port RAM
DODISS	Department of Defense Index of Specifications and Standards	DPS	Data Processing Subsystem
DOD-STD	Department of Defense Standard (Data Processing Operations)		Data Processing System
DOE	Department of Energy		Defense Printing Service
DOF	degrees of freedom		Deputy Processing System
DOI	Department of Interior		Descent Propulsion System
DOL	day of launch	DPSDBO	Defense Printing Office Detachment Branch Office
	Directorate of Laboratories	DPSI	Data Processing Subsystem Interface
DOLW	day of launch winds	DPSO	Data Product Services Operator
DOMSAT	domestic satellite	DPSS	Data Processing Support Subsystem
DOR	due-out release	DPST	Disaster Preparedness Support Team
DORC	Data Output Remote Control		
DOS	Defense Ordnance System	DQM	data quality monitor
	Department of State	DR	data ready
	Disk Operating System		data recorder
DOT	deep-ocean transponder		data reduction
	Department of Transportation		data requirement
	Dynamic Operations Test		dead reckoning
DOY	day of year		double rack
DP	Datapoint Corporation	DR&R	data receiving and release
	delivery priority	DRA	Defense Relocation Account
	dewpoint	DRAFT	display retrieval and formatting technique
	dial pulse	DRAM	dynamic random access memory
	disaster preparedness	DRAS	dress rehearsal at sea
	display processor	DRCS	Digital Range Communication System
	distribution programmer		data reduction
DPC	Defense Procurement Circular	DRED	Disaster Response Force
DPCC	Disaster Preparedness Control Center	DRF	Delta Redundant Inertial Measurement System
DPCL	Data Processing Classified Library	DRIMS	Data Requirements List
DPCO	Data Processing Computer Operator		Disaster Recovery Library
DPCU	Digital Pulse Compression Unit	DRMO	Defense Reutilization and Marketing Office
DPD	Data Project Directive	DRR	Data Receiving and Release
	delivery priority designator	DRS	Data Reduction System
	Deputy Project Director		Digital Range Safety (System)
DPDE	data playback and digitizing equipment		Downrange System
dpdt	double-pole double-throw	DRSB	Digital Recording System buffer
DPE	data processing equipment	DRSCS	Digital Range Safety Command System
DPF	DSCS Processing Facility		Distributed Range Safety Display
dpi	data per inch	DRSD FEP	DRSD front-end processor
DPM	Douglas Process Material	DRSO	DRSS Range Safety Officer
DPML	Deputy Program Manager for Logistics	DRSS	Data Relay Satellite System
DPMS	Display Power Management Signaling		Digital Range Safety System
DPO	Data Processing Operations		

ABBREVIATIONS AND ACRONYMS

D

DRTS	Downrange Support Station		Digital Signal Processing
DRVTR	Downrange Tracking Station		Digital Signal Processor
DRWP	data recording video tape recorder		Digital Software Processor
DS	Doppler Radar Wind Profiler		dual serial port
	data source	DSR	data ready set
	data strobe	DSS	data services section
	digital speed		Deep Space Station
	direct support	DSSB	data selector and storage buffer
DS-0	digital signal level 0	DSSCS	Defense Special Security Commu- nications System
DS-1	digital signal level 1		Digital Storage System
DS-3	digital signal level 3	DSSI	interconnect (bus)
DS0(T0)	digital speed 0 (65 kb/s)	DSSR	Documentation Support Staff Room (MSFNOC)
DS1(T1)	digital speed 1 (1.544 Mb/s; 24 voice or data channels running up to 64 kb/s per channel)	DSSS	Designate Source Select Switch
DS1S (GIB)	DS, 1 split	DST	Detailed System Test
DS1T (GIB)	DS, 1 through	DSTF	Delta Spin Test Facility
DS2(T2)	digital speed 2 (6.312 Mb/s; four T1 circuits including overhead)	DSU	Data Storage Unit
DS3	data stream (44.376 Mb/s)		Data Service Unit
DS3(T3)	digital speed 3 (45 Mb/s; 28 T1 circuits including overhead)	DSV	defense suppression vehicle
DS4(T4)	digital speed 4 (274 Mb/s; 168 T1 circuits including overhead)	DSVT	Digital Secure Voice Terminal
DSA	Defense Supply Center Agency	DSX	digital cross-connect
	division support area	DT&E	Development, Test, and Engineering
DSARC	Defense Systems Acquisition Review Committee		Developmental Test and Evaluation
DSAT	defensive satellite	DTACCS	Director Telecommunications and Command and Control System
DSC	dedicated signal conditioner	DTB	data transmission buffer
	digital signal converter	DTC	Data Transmission Center (TGSF)
DSCP	Defense Satellite Communications Program	DTCC	Data Transmission Center Control
DSCS	Defense Satellite Communications System	DTE	data terminal equipment
DSDU	Decommuration Systems Distribu- tion Unit	DTG	date/time group
DSE	data storage equipment	DTIC	Defense Technical Information Center
	data system experiment	DTM	digital test manager
DSI	digital speech interpolation		dual thruster module
DSIF	Deep Space Instrumentation Facility (NASA)	DTMF	dual-tone multi-frequency
DSIPS	Digital Satellite Image Processing System	DTO	detailed test objectives
DSIS	Defense Services Information System	DTR	Department Training Representative
DSK	disk		data terminal ready
DSL	direct strike lightning	DTS	digital tape recorder
DSM	data system modernization		data transfer switch
DSMF	Delta Solid Motor Facility (CCAFS)		data transmission set
DSN	Deep Space Network (DSN)		Data Transmission System
	Defense Switched Network	DTU	Delta Third Stage (facility)
DSP	Defense Support Program	DUPRAM	Data Transmission Unit
		DUSCC	duplicate into RAM
			dual universal serial communi- cation controller
		DUT	device under test
		DUVE	diffuse ultraviolet experiment
		DV	data valid
		DVIP	digital video integrator processor

D

ABBREVIATIONS AND ACRONYMS

DVS	digital voice stripper
DW	development warhead
DWIPS	Digital Weather Image Processing System

E ABBREVIATIONS AND ACRONYMS

E	East	ECC	Emergency Communications Center (GSFC)
É	electrostatic		Engineering Change Certificate
E STAT MUX	rate of change of E (DE/dt)		Equipment Control Certificate
E\$OP	electronic statistical multiplexer		Error-checking and correcting
	expendable, cost optimized		error correction code
	(vehicle or stage)		explosive cable cutter
E&A	Evaluation and Analysis	ECCM	electronic counter-counter-
E&M	electrical and mechanical		measure(s)
	Receive and Transmit (ear and	ECD	estimated completion date
	mouth)	ECE	entry control element
E,F,G	three-orthogonal, earth-centered		experiment checkout equipment
	coordinated, originating at	ECG	electrocardiogram
	Earth's center	ECI	Earth-Centered Inertia (Coordinate
E-A	Engineering and Administration		System)
E-BUS	electronic bus	ECIO	experiment computer input/output
E-field	electrostatic field	ECL	emitter-coupled logic
e-mail	electronic mail	ECLSS	Environmental Control and Life
e.g.	for example		Support System
E/S	Equipment Section	ECM	electronic countermeasure(s)
EA	each	ECN	Eastman Color Negative
	educational assistance	ECO	Engineering Change Order
	Engineering Analysis	ECON	expendable conventional (vehicle
EAC	echelons above corps		or stage)
	emergency action console	ECOS	Experiment Computer Operating
	estimate at completion		System
EAD	echelons above division	ECP	emergency command precedence
EAFB	Eglin Air Force Base		Engineering Change Proposal
EAFC	Johnson Space Center identifier for		entry control point
	AFFTC FPS-16 C-band Radar		Expected Coverage Plan
	(R-38)		experiment control processor
EAGE	electrical aerospace ground	ECPM	Engineering Change Proposal
	equipment		Message
EAID	equipment authorization inventory	ECR	Emergency Change Request
	data		execute computer request
EAM	electronic accounting machine	ECS	environmental control set
	emergency action message		Environmental Control System
EAP	equitable adjustment proposal		Error Correction and Switching
EAPBX	Expanded Automatic Private		System
	Branch Exchange	ED	error detected
EAROM	electronically alterable read-only	EDA	estimated date of arrival
	memory	EDC	Earth Resources Observation
EATS	Extended Area Test System		Satellite Data Center
EBC	explosive bolt cutter		end of conversion
EBCDIC	extended binary coded decimal	EDD	estimated date of departure
	interchange code		estimated delivery date
EC	Engineering Change (document)	EDIS	Engineering Drawing Indexing
EC-135	ARIA airframe		System
ECAC	Electromagnetic Compatibility	EDM	enemy defense model
	Analysis Center	EDMS	ESS Development and Mainte-
ECAS	Experiment Computer Application		nance Station
	Software	EDO	extended data out
ECB	electronic code book		extended duration orbiter
	entry control booth	EDS	External Data Server

E

ABBREVIATIONS AND ACRONYMS

EDT	electronic data transmission	EID	Engineering Installation Division
	eastern daylight time	EIIP	end instrument interface panel
EDW	environmental development	EIP	effective incident power
	warhead	EIRB	ECP Integrated Product Team
EDWAFB	Edwards Air Force Base		Review Board
EE	element of expense	EIRP	effective isotropic radiated power
EEAPS	Emergency Egress Air Pack	EIS	Electronic Information System
	System	EISA	Extended Industry Standard
EEC	Enterprise Electronics Corporation		Architecture
EECC	experiment exposure-control		Executive Information Service
	canister	EIU	Engine Interface Unit
EECOM	Electrical, Environmental, and	EL	elevation
	Communications Engineer		emergency leave
	Electrical, Environmental,		erector launcher
	Consumables, and Mechanical	ELEC, elec	electric
	Systems Officer		electrical
EECO	Electronic Engineering Company	elev	elevation
EED	electroexplosive device	ELF	extremely low frequency
EEIC	element of expense investment	ELINT	electronic intelligence
	code	ELJ	expendable laser jammer
EEIO	experiment housekeeping data	ELLIP	elliptical
	designator	ELRAC	Electronic Reconnaissance Acces-
EELV	Evolved Expendable Launch		sory System
	Vehicle	ELS	Eastern Launch Site (CCAFS plus
EEPROM	electronically erasable		KSC)
	programmable read-only		emergency landing site
	memory	ELSA	emergency life support apparatus
EERR	EIRB ECP Review Report	ELSE	electrical launch support equipment
EET	Exercise Evaluation Team	ELSEC	Electronic Security
EEX	excess exception code	ELSET	element set
EFFC	Johnson Space Center identifier for	ELV	expendable launch vehicle
	AFFTC FPS-16 C-band Radar	EM	Engineering Memorandum
	(R-41)		exception monitor
EFG	Earth-fixed Geocentric (position)	EMC	electromagnetic compatibility
	Earth-fixed Geocentric (velocity)	EMCS	Energy Management Control
	Earth-fixed Geodetic		System
EFL	effective focal length	EMERGE	Radiological Emergency Assess-
EFS	error-free seconds		ment System
EFTO	encrypt for transmission only	EMETF	Electromagnetic Environmental
EG&G	Edgerton, Germeschausen and		Test Facility
	Grier	EMF	electronic mail function
EGA	enhanced graphic adapter	EMI	electromagnetic interference
EGADS	Electronic Ground/Air Destruct	EMI/RFI	electromagnetic interference/radio
	System		frequency interference
EGSE	Electrical Ground-Support	EMISM	electromagnetic interference safety
	Equipment		margin
EHF	extremely high frequency	EML	electromagnetic launcher
EHS	Environmental Health Services	EMLV	expendable medium launch vehicle
EI	enable input	EMOD	erasable-memory octal dump
	End Instruments	EMP	electromagnetic pulse
	Engineering Instruction	EMR	Electromechanical Research
	equipment item	EMS	electromagnetic spectrum
EIA	Electronic Industry Association		equipment, materials, and supplies
EIC	end instrument controller	EMSEC	emission security

E ABBREVIATIONS AND ACRONYMS

EMSS	Emergency Medical Services System	EP	Engineering Procedure estimation processor
EMT	electromagnetic testing electromechanical test Electromechanical Test Laboratory emergency medical technician emulator trap	EPA	Environmental Protection Agency
EMU	estimated monthly usage Expanded Memory Unit Extra-vehicular Mobility Unit	EPABX	Electronic Private Access Branch Exchange
ENC	encoder	EPBD	experiment power branching distributor
ENE	East Northeast	EPDA	electrical power distribution assembly
ENG	Engineering	EPDB	experiment power distribution box
ENGPLN	Engineering Plan	EPDS	Electrical Power Distribution Subsystem
ENIAC	electronic numerical integrator and calculator	EPE	enrollment processing element
ENS	Ensign	EPG	Engineering Process Group
ENSCE	enemy situation correlation element	EPH	ephemeris
ENTB	Experimental Navy Test Bed	EPII	Engineering Process Improvement Initiative
ENTEL	Empresa Nacional de Telecomunicaciones (Chile)	EPROM	electrically programmable read-only memory
EO	electro-optics Emergency Operations enable output Executive Order	EPS	Electrical Power System Electrical Power Subsystem Engineered Performance Standard
EOA	Emergency Operations area	EPSP	experiment power switching panel
EOAS	Electronic Office Automation System	EPUU	Enhanced PLRS User Unit
EOB	end-of-burn	EQL	equalizer
EOC	Emergency Operations Center	EQUIP, equip	equipment
EOCM	electro-optical countermeasures	ER	Eastern Range error rate
EOD	end of data end of day erasable optical disk Explosive Ordnance Disposal	ERADCOM	Electronics Research and Development Command
EOE	estimate of error	ERB	Equipment Review Board
EOF	end of file end of frame	ERBE	earth radiation budget experiment
EOI	end of instruction	ERBS	Earth Radiation Budget Satellite
EOL	end of line	ERBSOCC	Earth Radiation Budget Satellite Operation Control Center
EOM	end of message end of mission equations of motion	ERCH	Eastern Range Customer's Handbook
EOMS	end of message signal	ERCS	Emergency Rocket Communications System
EOQ	economic order quality	ERD	Experiment Requirements Document
EOR	Expedite Operations Requirement	ERDAS	Eastern Range Dispersion Assessment System
EORS	end of routing signal	ERIH	Eastern Range Instrumentation Handbook
EOS	Earth Orbiting System	ERIS	Eastern Range Instrumentation Systems
EOSAT	Earth Observation Satellite Company	EROCC	Eastern Range Operations Control Center
EOSDIS	EOS Data and Information System	EROS	Earth Resources Observation Satellite
EOT	end of tape end of transmission	ERP	effective radiated power
EOTS	end of transmission signal		

E

ABBREVIATIONS AND ACRONYMS

ERPO	Eastern Range Program Office	ESOC	Earth Station Owners Consortium
ERPO/CCB	Eastern Range Project Office/ Change Control Board	ESP	European Space Operations Center explosive safety plans
ERR	Eastern Range Regulation	ESPCS	experiment safety package cover sheet
ERRC	Engineering Release Record	ESR	electron spin resonance
	Expendability-Recoverability- Repairability Category (code)	ESS	Electronic Intelligence Support System
	expendability-recoverable-repair- ability category (code)		Electronic Security Subsystem
ERRCD	Expendability, Recoverability, Repairability Cost Designator (Code)		Electronic Security System
ERSA	Eastern Range Scheduling Application		Emergency Shutdown System
ERTZ	equipment radiation TEMPEST zone	ESSH	Engineering Support System
ERU	Exciter/Receiver Unit		Engineering Support Services, Houston
ERU M	associated system's ERU	EST	eastern standard time
ERU N	nonassociated system's ERU	ESTAR	Early Scheduling Toolset for Automated Ranges
ES	earth station	ESTEC	European Space Research and Technology Center
	Enrollment System		European Space Technology Center
	environmental shelter	ESV	Earth Satellite Vehicle
	equipment section	ET	Echo Top
ESA	electronically steered array		external tank
	Engineering Support area	ETA	estimated time of arrival
	European Space Agency		Explosive Transfer Assembly
	Explosive Safe Area	ETAC	Environmental Technical Applica- tions Center
ESA-60A	Explosive Safe Area 60 (CCAFS)	ETB	East Terminal Building
ESA-OTS	European Space Agency - Orbital Test Satellite		engineering test basis
ESBO	equipment section burnout	etc.	and so forth
ESC	escape	ETC	engineering task checklist
ESCC	Experiment Scoring and Control Center		estimated time of completion
ESD	Electronic Systems Division (AFSC)	ETD	estimated time of departure
	Electro-static discharge	ETE	end-to-end
	electrostatic sensitive device		estimated time en route
ESF	Engineering Support Facility	ETMO	Electronic Transmission of Meteorological Observation
	Explosive Safe Facility	eto	estimated time operational
	Extended Superframe	ETR	Eastern Test Range (mode)
ESH	Engineering Systems Handbook	ETRO	estimated time of return to operation
ESHA	Electronically Steered Hemi- spherical Array	ETS	European Telephone System
ESI	Electrospace, Inc.	ETX	end of message
ESM	electronic support measures		end of transmission
	electronic warfare support measures	EU	Engineering Unit
	extended semiconductor memory	EUCARF	European Central Altitude Reservation Facility
ESMC	Eastern Space and Missile Center	EUB	extended UNIBUS
ESMCR	Eastern Space and Missile Center Regulation	EURECA	European retrievable carrier
ESMP	Extended Single Management of Supply Plan	EUTELSAT	European Telecommunications Satellite
ESMR	Eastern Space and Missile Range	EUV	extreme ultraviolet
		EV	expendable vehicle

E

ABBREVIATIONS AND ACRONYMS

EVA	extra-vehicular activity
EVCF	Eastern Vehicle Checkout Facility
EVRCF	Eastern Vehicle Remote Checkout Facility
EW	electronic warfare
EWAMS	Early Warning and Monitoring System
EWAW	enhanced winds analysis work-station
EWC	electronic warfare/cryptologic
EWCR	electronic warfare counter-response
EWO	Electronic Warfare Officer
	Emergency War Order
	Emergency Warfare Officer
	Engineering Work Order
EWB	Eastern and Western Range
EWRR	Eastern/Western Range Regulation
EWV	extended workweek
EX	exchange
EXEC	Executive Program
EXP	experiment
exp	exponential
EXT	external
EZ	vertical electric

F

ABBREVIATIONS AND ACRONYMS

°F	degrees Fahrenheit	FB-2	Fall Back Network Control Center No. 2 (GSFC)
F	Fahrenheit	FBCS	Fixed Base Crew Station
	farad(s)	FBM	Fleet Ballistic Missile
	field failure data	FBS	fallback switch
	flight data (time)		Flyback Booster System
f ³	cubic feet	FC	fixed camera
ft ³	cubic feet		Flight Commander
F&G	Felton & Guillaume		Flight Computer
F&RC	Forecast and Resource Central		Flight Controller
F-day	day of test (usually launch)		fuel cell
F/D	focal length/reflector diameter		functional contact
f/h	frames per hour	FCA	Frequency Control Analysis
F/L	focal length		Functional Condition Audit
	forward link		Functional Configuration Audit
F/M	first motion	FCAC	Frequency Control Analysis Center
f/s	frames per second	FCC	Federal Communications Commission
FA	field artillery		Fire Coordination Center
	firing azimuth		Fleet Command Center
	Flight Analysis		frame code complement
	functional area	FCD	Flight Control Division
FAA	Federal Aviation Administration	FCDC	flexible confined detonating cord
	Federal Aeronautics Administration	FCEF	flight crew equipment function
fac	facility	FCET	Follow-on CINC Evaluation Test
FAC	Forward Air Control	FCF	flight control function
FACCON	Facilities Control	FCL	fire coordination line
FACEXP	facility architecture cost estimator, exponential	FCM	frequency counter module
FACS	facsimile	FCN	Field Change Notice
FACT	Flight Acceptance Composite Test	FCO	Flight Control Officer
FAD	force activity designator		frequency-controlled oscillator
FADP	flight analysis data package	FCR	Facilities Change Request
FAF	fast access file		Flight Control Room
FAFB	Renamed; see SAFB	FCS	Flight Control System
FAITH	processing mode used for orbiting or reentering models	FCT	Flight Control Team
FAN	first ascending node		Flight Crew Trainer
	future area network	FCU	Formatter/Control Unit
FAP	flight acceleration profile	FD	firing day
FAR	Federal Acquisition regulation		Flight Director
	Flight Acquisition regulation		full-duplex
FAS	Frequency Assignment Subcom- mittee, IRAC	FDA	Final Design Audit
	functional address symbol	FDC	Failover Decision Control
FASC	Forward Area Signal Center		Failover Decision Controller
FAST	frequency agile search and track	FDCS	Fire Direction Center
FATDS	Field Artillery Tactical Data System	FDD	Flight Control Display System
FAX	Facilities Control	FDDI	floppy disk drive
fax	facsimile	FDE	fiber-distributed data interface
FB	Folly Beach (Station 50)	FDEP	Force Development Evaluation
	free-flight beacon		Florida Department of Environ- mental Protection
FB-1	Fall Back Network Control Center No. 1 (GSFC)	FDE	Force Development Evaluation
		FDER	Florida Department of Environ- mental Regulation
		FDF	flight data file

F ABBREVIATIONS AND ACRONYMS

FDFI	Flight Dynamics Facility (GSFC)	FL	Florida
FDM	Fault Detection Fault Isolation	FLB	fixed length block
FDMA	Frequency Division Multiplex(ing)		Folly Beach, South Carolina
FDME	frequency division multiple access	FLCP	fluid loop control panel
FDN	firing, data multiplex equipment	FLIR	forward-looking infrared
FDO	first descending node	FLOT	forward line of troops
FDO	Flight Dynamics Officer	FLSC	flexed linear-shaped charge
FDOT	Florida Department of Transportation	flt	flight
FDS	Flight Data System	FLTOP	Federal lease to purchase
FDX	full duplex	FLTSATCOM	Fleet Satellite Communications
	full-duplex circuit	FLTSATS	fleet satellites
	full-duplex teletype	FLTSIM	flight simulation
FE	frequency error	FLT OPPTY	flight opportunity
	Functional Engineer	FLUKTK	fluke task
FEA	fluids experiment apparatus	FM	field manufacture
FEBA	forward edge of the battle area		first motion
FEC	Federal Electric Corporation		frequency modulation
	forward end cone		originator designation (TTY messages)
FECT	forward error correction	FMA	Final Mission Analysis
	Flight Control and Electrical Com- patibility Test	FMC	fully mission capable
FED	Flight Events Demonstration (test)	FME	flexure monitor equipment
FEDAC	forward error detection and control	FMEA	failure modes and effects analysis
Fed Spec	Federal Specifications	FMH	Federal Meteorological Handbook
FEDSIM	Federal Systems Integration and Management	FMIS	Flight Movement Information Service
FED-STD	Federal Standards	FMK	field modification kit
FEID	flight equipment interface device	fmk	file mark
FEL	free electron laser	FMS	Forms Management System
FEMA	Federal Emergency Management Agency	FMSS	Future Military Space System
FEP	front-end processing	fmt	format
	Front-End Processor(s)	FMTD	first motion time decoder
FET	field-effect transistor	FNMOC	Fleet Numerical Meteorology and Oceanography Center
	front end test	FNOC	Fleet Numerical Oceanography Center
FF	flip-flop	FO	fiber optic
	free fall		Flight Operations
FFB	free-fall beacon		Follow On
FFS	free-fall skin	FOA	Flight Operations & Analysis
FFT	Fast Fourier Transform	FOB	Federal Office Building
FHA	Flight Hazard Area		found on base
FICA	Federal Insurance Contribution Act	FOC	Facility Operations Controller
FIFO	first in, first out		final operations capability (Network Control Center, GSFC)
Fig.	figure (spell out wherever possible)		Flight Operation Center
FIIN	Federal Item Identification Number		fraction of a circle
FIM	field intensity measurements (sites)		full operational capability
FIMS	Fault Isolation Monitoring System	FOD	foreign object damage
FIP	Facilities Improvement Program	FOE	follow-on element
FIPS	Federal Information Processing Standard	FOG	Forward Observer Ground
FIR	finite-impulse response	FOI	film operating instructions
FIRQ	fast interrupt	FOL	forward operating locations (NWS)
FIS	Financial Information System		
FJB	frequency jump burst		

F

ABBREVIATIONS AND ACRONYMS

FOM	fiber optic modem	FRCC	JSC identifier for Dryden Flight Research Facility FPS-16 C-band Radar (R-34)
FOMDM	fiber optic MUX/DEMUX	FRD	formerly restricted data
FOO	Flight Operations Order	Function Requirements Document	
FOP	follow-on processor	FRED	front-end driver
FOPP	fiber optic patch panel	Freq Assn	frequency assignment
FOR	Flight Operations Review	FREQ, freq	frequency
	fraction of register	FRF	Dryden Flight Research Facility (3-letter designator)
FORTAN	formula translation		flight readiness firing
FOS	full operating status		flight readiness function
FOSO	Flight Operations Scheduling Office	FRFC	JSC identifier for Dryden Flight Research Facility FPS-16 C-band Radar (R-5)
FOSP	Flight Operations Support personnel	FRG	Federal Republic of Germany
FOT	Follow On Test	FRR	flight readiness review
FOT&E	Follow-on Operational Test and Evaluation	FRSM	Five Rule Set Model
FOTD	fiber optic terminal distribution	FRT	fine resolution tracking
FOTO	RVITS Photo Controller		flight readiness test
FOTR	Follow-on Tactical Reconnaissance	FRV	full range video
FOUO	For Official Use Only	FRVPS	Full Range Video Processing System
FOV	field of view	FS	facilities segment
FOV-1	Flight Operation Version One		Facility Subsystem
FP	fire protection		Federal Specifications
	flat panel		fire signal
	flight plan		first stage
	flight processor		Flight Safety
	floating point		frame sync
	front panel		Flight Safety Analyst
FP/TM	fixed price/time and materials	FSA	Florida Space Authority
FPA	Federal Preparedness Agency	FSBO	first stage burnout
	fixed-plant adapter	FSC	Federal Stock Class
	focal plane assembly		Federal Supply Class
FPD	Flight Planning Directorate		Federal Supply Code
FPE	fixed Pad erector		Foreign Service Compensation
FPF	flight planning function	FSCC	Fire Support Control Center
FPIF	fixed price incentive fee	FSCL	fully-space-charged limited
FPL	Florida Power & Light	FSCN	Facility Clearance Number
FPM	Field Program Manager (USAF)	fsd	full-scale deflection
fpm	feet per minute	FSE	fire support element
FPO	Fleet Post Office	FSEC	Florida Solar Energy Center
FPP	floating-point processor	FSED	full-scale engineering development
FPQ	fixed, pulse (special)	FSG	Federal Stock Group
	fixed radar (special)	FSIC	forward sensor interface and control
FPR	flight performance reserve	FSK	Frequency Shift Keying
FPS	Fence Protection System	FSM	fast-steering mirror
	fixed pulse surveillance		firmware support manual
	fixed radar detecting	FSN	Federal Stock Number
fps	fee per second	FSO	Facility Security Officer
	frames per second		Flight Safety Officer
FPSO	Flight Project Support Office		
FPU	Floating-Point Arithmetic Unit		
FPV	facility proofing vehicle		
FQR	Formal Qualification Review		
FQT	Formal Qualification Testing		

F

ABBREVIATIONS AND ACRONYMS

FSOC	Fairchild Satellite Operations Center	FX-1	Flight Experiment 1 (Wing Glove)
FSOP	Field Standing Operating Procedure	FXS	foreign exchange subscriber
FSP	fast servo processor	FY	fiscal year (style is FYXX)
	Forward Supply Point	FYI	for your information
FSPO	Flight Safety Program Officer	FYTD	fiscal year to date
FSR	Flight Support Request		
FSRS	Frequency Selective Receiver System		
FSS	Federal Supply System		
	Fire Suppression System		
	Fixed Satellite Service		
	Flight Support System		
FST	Flight Support Team		
FSW	flight software		
FT	Functional Test		
ft	feet		
	foot		
ft ²	square foot		
ft ³	cubic foot		
ft-lb	foot-pound		
ft/min	feet per minute		
ft/s	feet per second		
FT1	fractional T1		
FTC	full track completion		
FTD	Foreign Technology Division		
FTH	Fort Huachuca Station (3-letter designator)		
FTLU	Flight Termination Logic Unit		
FTIR	Fourier-transform infrared spectroscopy		
FTP	file transfer protocol		
FTR	Flight Test Report		
FTS	Federal Telecommunications System		
	Federal Telephone System		
	Flight Termination System		
FTSR	Flight Termination System Report		
FTSS	Flight Test Support System		
FTU	Flight Termination Unit		
	Flight Test Unit		
FTX	field training exercise		
FUI	Federal Unemployment Insurance		
FUNCT	function		
FUT	fixed umbilical tower		
FUV	far ultra violet		
FVF	first vertical flight		
FVSS	Fuel Vapor Scrubbing System		
FVTAM	FOV1 Vax-Based Trajectory Estimate Acquisition Message		
FW	field wire		
FWD	forward		
FWP	Federal Women's Program		

ABBREVIATIONS AND ACRONYMS G

G	gain		Geodesic Coordinate Map
	giga (prefix, 1 billion)	GCMR	ground control message response
	gravitational force	GCMU	Gateway Conferencing Multiplexer Unit
g	acceleration of gravity		
	gram(s)	GCN	Ground Control Network
G&A	general and administrative	GCO	Ground Control Officer
G&C	guidance and control	GCR	group-coded recording
G/A	ground-to-air	GCS	Graphics Compatibility System
G/T	gain-to-temperature (ratio)		Ground Control System
G1	guidance 1		Ground Control Station
G1D	guidance 1 delay	GCU	GTP Control Unit
GA	ground antenna	GCSTAT	guidance status
GaAs	gallium arsenide	GD	General Datacomm System
GaAsFET	Gallium Arsenide Field-Effect Transistor	GDC	General Datacomm Corporation
			General Datacomm, Inc.
gal	gallon(s)	GDOP	geometric dilution of precision
gal/min	gallons per minute	GDP	graphics display processor
GALEX	Galaxy Evolution Explorer	GDS	Goldstone Deep Space Network Station (3-letter designator)
GAMO	Ground and Amphibious Military Operation		Goldstone, CA (MSFN NASA prime station)
GAO	General Accounting Office		Group Display Subsystem
GARP	Global Atmospheric Research Project	GDSC	Ground Data System Controller
		GDSCC	Goldstone Deep Space Communications Complex
GAS	get-away-special	GDSD	Ground Data System Division
GATK	general area tool kit	GDSM	Ground Data System Manager
GAWR	gross axle weight rating	GDSTN	Ground Space Flight Tracking and Data Network
Gb	gigabit(s)	GDSX	Goldstone, CA (MSFN NASA wing station)
GB	gigabyte(s)	GEADGE	German Air Defense Ground Environment
Gb/s	gigabit(s) per second		
GB/s	gigabyte(s) per second	GED	ground environmental development
GBAAF	Grand Bahama Auxiliary Airfield	GEEIA	Ground Electronics Engineering Installation Agency (AFLC)
GBI	Grand Bahama Island (Station 3)	GEM	graphite epoxy motor
	ground bus interface	GEMS	Generalized Energy Management Steering
GBL	Government bill of lading	GEN	General generator(s)
	ground-based laser	GEN RING	generator ring
GBM	Grand Bahama Island, UK (MSFN NASA station)	GEO	geosynchronous earth orbit
GBps	gigabytes per second	GEODSS	ground-based electro-optical deep space surveillance
GC	ground controller	GEOS	Geostationary Operational Environmental Satellite
	guidance computer	GEOS-C	geosynchronous-orbit satellite
GC3	Ground Command Control and Communications	GEOSAT	geodetic satellite
GCA	generalized core area	GEOSTAR	interactive radiodetermination satellite
	ground-controlled approach		
GCC	Global Command Control ground communications coordinator	GET	ground elapsed time
GCCP	Group Connect Control Processor	GF	Government furnished
GCCS	Global Command Control System	GFC	generic flow control
GCD	gas control decoder		
GCF	Ground Communications Facility		
GCI	ground-controlled intercept		
GCIL	ground control interface logic		
GCM	Geodesic Coordinate Manual		

G ABBREVIATIONS AND ACRONYMS

GFE	Government-furnished equipment	GOAL	Ground Operations Aerospace Language
GFF	Government Furnished Facility	GOAS	Guidance Optical Alignment System
GFP	Government-furnished property	GOCM	ground operations cost model
GFS	Government-furnished software	GOE	general operating expense
GFY	Government fiscal year	GOES	Geostationary Operational Environ-mental Satellite
GH ₂	gaseous hydrogen	GOPM	GSFC Orbital Parameter Message
GHe	gaseous helium	GOS	grade of service
GHIT	Goddard Space Flight Center high-density inventory tape	GOSIP	Government Open Systems Inter-connection Profile
GHz	gigahertz	govt	government
GI	ground ignited	GOX	gaseous oxygen
GIB	group interface board	GP	group
GIE	Government instrumentation equipment		Guidance Processor
	ground instrumentation equipment	GPAMS	Global Positioning and Attitude Measurement System
GIEU	Ground-Integrated Electronics Unit	GPATE	general purpose automated test equipment
GIO	graphics input/output	GPC	general purpose computer
GIRD	Ground Integrated Requirements Document		ground power control
GIS	Geographical Information System	GPI	Guiding Performance Issue
GISD	Government Information Systems Division	GPIB	General-Purpose Interface Bus
GISS	Goddard Institute for Space Studies	GPO	Government Printing Office
GIT	gone inertial time	GPOCC	German Payload Operations Center
GKS	Graphical Kernal Standard	GPP	global present position
GLAP	General Look-angle Program	GPPI	General-purpose Parallel Interface
GLCM	ground-launched cruise missile	GPS	Global Positioning Satellite
GLOMR	Global Low Orbiting Message Relay (satellite)		Global Positioning System
GLOW	gross liftoff weight		ground power status
GLTN	Goddard Laser Tracking Network	GPTE	Government-provided test equipment
GM	gram	GPTSM	General Purpose Timing Sync Modernization
GMAR	gain/MAX address register	GRDCUS	Gulf Range Drone Control Upgrade System
Gmc	Greenwich mean coordinated	GRGT	Guam Remote Ground Terminal
GMCF	Guided Missile Control Facility	GRND	ground
GME	Global Memory Exchange	GRO	Gamma Ray Observatory
GMF	Ground Mobile Force	GRTS	Goddard Real-time System
GMI	Goddard Space Flight Center Management Instruction		GRO Remote Terminal System (Canberra)
GMS	General Micro Systems	GS	general support
	Geostationary Meteorological Satellite		ground segment
	Gichner Mobile System		group select
GMT	General Military Training Universal Time	GSA	General Services Administration
			General Supply Agency
GMT, Gmt	Greenwich mean time		General Services Administration
GMTLO	GMT of liftoff	GSAI (msg)	GIB status answer-initialization
GN&C	guidance, navigation, and control	GSCP	GSFC communications processor
GN ₂	gaseous nitrogen	GSE	ground support equipment
GNC	guidance and navigation computer	GSERC	Greater Southeast Range Complex
GND	ground	GSF	General Submittal Form
GNG	Ground Network		
GNSO	Goddard Network Support Office		

ABBREVIATIONS AND ACRONYMS G

GSFC	Goddard Space Flight Center, Greenbelt, MD (NASA)
GSM	Group Switch Module
GSO	geostationary orbit
GSS	Government Systems Sector
GSTDN	Ground Spaceflight Tracking and Data Network (stations)
GSU	Group Switching Unit
GSWRC	Greater Southwest Range Complex
GT	ground transporter guard time
GTAS	Grand Turk Air Station
GTB	Guidance Test Building
GTDPS	Guidance Telemetry Data Processing Station
GTE	General Telephone & Electronics
GTL	GIB type list
GTO	geosynchronous transfer orbit geotransfer orbit
GTODE	guidance time of day at estimation
GTP	GPS Translator Processor
GTS	ground test accelerator Grumman Technical Services Guam Tracking Station (AFCSF)
GUI	graphical user interface
GVAR	GOES Variable
GVW	gross vehicle weight
GVWR	gross vehicle weight rating
GWC	Global Weather Center
GWEN	Ground-wave Emergency Network
GWER	Graphical Winds Editing Routine
GWM	Guam, US Mariana Islands (NASA STDN station)
GYM	Guaymas, Mexico (NASA remote station)

H ABBREVIATIONS AND ACRONYMS

H	height	HEAO	High Energy Astronomical Observatory (satellite)
	henry(s) (unit of inductance)	HEC	header error control
	hexadecimal	helo	helicopter
	hexadecimal radix	HEMT	high-electron-mobility transfer
h	hour(s)	HEO	high earth orbit
H ₂	hydrogen		high-energy orbit
H ₂ O ₂	hydrogen peroxide	HEP	high energy particles
H/F	hold fire	HEPA	high-efficiency particulate air
H/L	hard line (wired, not RF)	HEW	Department of Health, Education, and Welfare
H/M	hundreds of minutes		hexadecimal
h/w	hardwired	hex	high frequency (3 to 30 MHz)
H/W	hardware	HF	holdfire
HAC	heading alignment cone	hf/ssb	high frequency/single sideband
HAFB	Hickam AFB	HFD	hyperfocal distance
HAIR	high accuracy instrumentation radar	HGA	high-gain antenna
HARM	high-speed anti-radiation missile	HGDM	Giant Data Memory Board
HASC	House Armed Services Committee	Hgr	hangar
HAW	Hawaii	HGRM	Hangar M
	Kokee Park, Kauai Island, Hawaii (NASA STDN station)	HHC	headquarters and headquarters company
HAWKEYE	NAVY E-2C Airborne Early Warning and Control System	HHTW	hand held thermal weapons
hazcom	hazard communications	HICOEI	high intensity console operator end instruments
HAZ GAS	hazardous gas	HICOEP	high intensity console operator expansion panels
HAZMAT	hazardous material	HIF	high speed interface
HAZWOPER	hazardous waste operator		Horizontal Integration Facility
HB	high bay	HIM	hardware interface module
HBR	high bit rate	HIRAN	High Precision SHORAN System (SHORAN modification)
HCC	hex correction cards	HLCSC	High Level CSC
HCD/SCG	Hazard Class Division/Storage Compatibility Group	HLTE	halt enable
HCF	Host Computer Function	HLLV	heavy-lift launch vehicle
HCI	Human Computer Interface	HLV	heavy launch vehicle
HCL	hydrochloric acid		heavy-lift vehicle
	Height-Cross-Length Coordinate System	HMC	Health Monitor Card
HD	half-duplex	HMMWV	highly mobile multipurpose wheeled vehicle
	hard disk drive	HMO	Health Maintenance Organization
	Help Desk	HMS	Hazard Monitoring System
HDD	high-density data	HOB	height of burst
	high-density designate	HOE	homing overlay experiment
	high-density disk	HOF	hold on file
HDDR	high-density data receiver	hog	programmable burst
HDDT	high-density data transmitter	HOL	high order language
HDIS	High Dynamic Instrumentation System	HOLC	JSC identifier for WSMR FPS-16 C-band Radar (R-123) at Holloman AFB, NM
HDLC	high-level data link control	horiz	horizontal
HDR	high data rate	HOSC	Huntsville Operation Support Center
HDRR	high data rate recorder	HP	Hewlett-Packard
HDSL	high-bit-rate digital subscriber line		
HDTV	high density TV		
HDX	half-duplex		
He	helium		

H ABBREVIATIONS AND ACRONYMS

	high power	HTTP	Hypertext Transfer Protocol
	horsepower	HTU	accumulated holdtime
HPA	high-power amplifier	HUD	heads-up display
hPa	hecto Pascal	HUMINT	human intelligence
HPACU	High Power Antenna Control Unit	HUP	Horizon Ultraviolet Program
HPADC	High Power Antenna Designate Converter	HURCON	hurricane condition
HPCMUD	High Power Command Modulation Unit Decoder	HV	high voltage
HPCMUE	High Power Command Modulation Unit Encoder	HVAC	heating, ventilation, and air conditioning
HPD	high power display		high volume air conditioning
HPF	Hazardous Processing Facility	HW	hazardous waste
	Horizontal Processing Facility	HWCDR	Hardware Critical Design Review
HPIB	Hewlett-Packard Interface Bus (IEEE-488)	HWCI	Hardware Configuration Item
HPL	high power listen	HWCM	Hardware Configuration Manager
HPSCI	House Permanent Select Committee on Intelligence	HWPDR	Hardware Preliminary Design Review
HPSCU	High Power Systems Control Unit		
HPSYS	High-Power System	HWRLP	heavy-weight, rotatable, log periodic (antenna)
HPT	high power talk	HX	heat exchanger
HQ	headquarters	HXIS	hard x-ray imaging spectrometer
HQDA	Headquarters, Department of the Army	HY	hybrid
hr	hour(s) ("h" preferred)	Hz	Hertz
HRA	helmet retention assembly	HZN	horizon
HRB	hybrid rocket booster		
HRFE	High Resolution Flight Element		
HRG	hemispherical resonating gyroscope		
HRM	high-rate multiplexer		
HRR	high rate recorder		
HRRS	High-Rate Recording System		
HRT	high-resolution tracker		
HS	high-speed		
HSC	Hierarchical Storage Controller		
HSD	high-speed data		
HSDL	high-speed data link		
HSP	high-speed printer		
HSR	high-sample rate		
	high-speed rate		
HSSD (GIB)	high-speed synchronous data		
HSSF	Hypergol Stockpile Storage Facility		
HST	High Level Software Test		
	Hubble Space Telescope		
HT	Hardware Test		
	holding time		
HTML	Hypertext Markup Language		
HTO	horizontal takeoff		
HTPB	hydroxy-terminated polybutadiene		
HTS	Hawaii Tracking Station		
HTSA	Host-Tenant Support Agreement		

I ABBREVIATIONS AND ACRONYMS

I	in-phase signal input Inspection Isolator rated output current	ICCD	intensified charge coupled device
I&A	inspection and acceptance	ICD	imitative communications deception Integrated Countdown Document interface connect diagram Interface Control Document interface control drawing interface control equipment Interface and Control (subsystem) (M43) integrated crew exercise
I&M	improvement and modernization	ICE	Insulated Cable Engineers Asso- ciation, Inc.
I-Load	initialization load	ICN	Installation Completion Notice inventory control number
I-S/A AMPE	inter-service/agency automated message processing exchange	ICNIA	integrated COMM/NAV and iden- tification avionics
i.e.	that is	ICP	initial contact point
I/EW	intelligence/electronic warfare	ICPM	Institute of Certified Professional Managers
I/F	image-to-frame ratio interface	ICS	Integrated Communications System M365 INMARSAT Communications System Interim Contractor Support Inertial Navigation Unit/Relay Control Unit (Centaur)
I/O	input/output	ICU/RCU	
IA	input acknowledge	ICV	inter-center vector
IA&P	instrumentation analysis and programming	ID	identification/identifier
IAC	Information Analysis Center intelligent asynchronous controller inter-array communications	id	inside diameter
IACG	Inter-Agency Consultative Group	IDAT	input data bus
IACK	interrupt acknowledge	IDB	IDB Communications Group, Inc.
IADS	Iceland Air Defense System	IDC	inband data channel Instrumentation Damage Co- ordinator
IAF	International Astronautical Federation	IDD	Interface Design Document
IFF	Inter Facility Link	IDE	Integrated Drive Electronics intrusion detection element
IAMS	Interim Antenna Monitor System	IDF	Intermediate Distribution Frame
IAP	Improved Accuracy Program interactive processing (TLCS) International Airport	IDHS	Intelligence Data Handling System
IAS	inertial angle sensor Integrated Autodin System	IDI	initial data item
IAV	Inventory Adjustment Voucher	IDIIOM	Information Displays, Inc. Input/ Output Monitor
IAW	in accordance with	IDN	Information Distribution Network
IBA	illuminator boresight assembly	IDP	intelligence data processing
IBG	interblock gap	IDPROM	Identifier Programmable read-only memory
IBID	ibidem (in the same place)	IDRAM	integrated digital range machine
IBM	International Business Machines	IDS	Instructional Development System Intelligent Data System Intrusion Detection System
IBR	intrabase radio	IDT	intelligent data terminal interdivisional transfer intermediate data tapes
IBSS	infrared background signature survey		
IBT	International Brotherhood of Teamsters		
IBW	information bandwidth		
IC	Instrumentation Coordinator integrated circuit intercom		
IC 6-1	integrated circuit		
ICAO	International Civil Aviation Organization		
ICBM	intercontinental ballistic missile		
ICC	Integrated Communications Center Instrumentation Control Certificate		

ABBREVIATIONS AND ACRONYMS

I

IDTN	Interim Data Transmission Network
IDTS	Interim Data Transmission System
IEC	Interstate Electronics Corporation
IEEE	Institute of Electrical and Electronics Engineers
IEM	illuminator electronics module
IEP	Internal Engineering Procedures
IEU	Individual Equipment Unit
IEWTD	improved electronic warfare training device
IF	intermediate frequency
IFB	Invitation For Bids
IFC	interface clear
IFF	identification friend or foe
IFL	Inter Facility Link
IFLOT	intermediate focal-length optical tracker
	Intermediate Focal-Length Optical Tracking (system)
IFO	interface optics
IFR	instrument flight rules
IFRB	International Frequency Registration Board
IFS	interface specification
IFTAS	Integrated, Fault Tolerant Avionics System
IFTE	intermediate field test equipment
IG	inertial guidance Inspector General
ign	ignition
IGNIT	ignition
IGOR	intercept ground optical recorder Intercept Ground Optical Recording (system)
IGPA	IGOR, Patrick
IGS	Inertial Guidance System
	ions global segment
IH	image enhancement inert head
IIA	Instrument Interface Agreement
IICR	Installation Inspection Completion Report
IIP	instantaneous impact point instantaneous impact prediction
IIR	imaging infrared Integrated Instrumentation Radar (ARIS)
IIR-C	Integrated Instrumentation Radar (5400-5900 MHz)
IIR-L	Integrated Instrumentation Radar (1270-1290 MHz)
IIR-U	Integrated Instrumentation Radar (435-39 MHz)

IIRV	improved IRV
ILC	initial launch capability
ILL	impact limit line
ILMI	interim local management interface
ILS	Instrument Landing System
	Integrated Logistics Support
ILSM	Integrated Logistics Support Manager
ILSP	Integrated Logistics Support Plan
IM	information memory Instrumentation Manager interface module
IMAGE	Impact Monitor and Graphing Edition
IMAX	IMAX Systems Corp. motion pictures
IMBCP	Interim Modified Base Comprehensive Plan
IMCF	Intermediate Medical Care Facility
IMINT	imagery intelligence
IML	International Microgravity Laboratory
IMLV	interim medium launch vehicle
IMP	imager for Mars Environmental Survey Pathfinder
IMS	Instrumentation Maintenance Specialist
IMU	Inertial Measurement Unit
in	inch(es)
in ²	square inch(es)
in ³	cubic inch(es)
in/h	inches per hour
in/s	inches per second
INCA	integrated nuclear communications assessment
INCE	Instrumentation and Communications Engineer
INCO	Instrumentation and Communications Officer
INCR	increment
ind	indicator
IND SUP	Industrial Support
INEWS	Integrated Electronic Warfare System
INF	Infrastructure
INFO	information item only information to addressee(s) that follow
ING	International Notification Group, IRAC
init	initialization
INMARSAT	International Maritime Satellite
INP	Internet Predict
INS	Inertial Navigation System Integrated Navigation System

I ABBREVIATIONS AND ACRONYMS

INSCOM	Intelligence and Security Command	IPB	isopropyl alcohol Illustrated Parts Breakdown
INSEG	Instrumentation Segment	IPC	impact prediction computer initial point of contact
inst	instrumentation	IPD	inter process communications impact prediction display (net)
instr	instrumentation	IPDS	interface point data set issue priority designator
INSTL	installation	IPDT	Integrated Product Development Team
int	integer	IPE	industrial plant equipment interface processing element
intel	intelligence		interface processing equipment intelligent parallel input/output 1
INTELSAT	International Telecommunications Satellite	IPIO-1	integrated payload
intercom	intercommunications	IPL	Integrated Payload Critical Design Review
INTERM	input terminator	IPL CDR	Integrated Payload Preliminary Design Review
INT 1	interrupt 1	IPL PDR	Integrated Payload Requirements Document
INT 2	interrupt 2	IPO	integral part of
INTG	integration	IPR	Interim Program Review
INTRO	Base Introduction Program	IPRD	Integrated Payload Requirements Document
INU	Inertial Navigation Unit	IPS	Information Processing Subsystem instrumentation power supply
IO&M	Installation, Operation and Maintenance		Intrusion Protection System iron pipe size
IOC	initial operational capability interim operational certification	ips	inches per second
I _{OH}	high-level output current	IPT	Integrated Product Team
I _{OL}	low-level output current	IQT	Informal Qualification Testing
IONDS	Interim Operational Capability Integrated Operational Nuclear Detection System	IR	infrared input ready
IOP	input/output processing integrate on pad		Issue Request
IOPP	input/output pre-processor	IRAC	Interdepartment Radio Advisory Committee, OTP
IOPS-NET	Inter-range Operations and Planned Network	IRACQ	Instrumented Radar Acquisition
IOS	Indian Ocean Tracking Station (AFSCF) Indian Ocean Ship Indian Ocean Station (AFSCF)	IRAN	inspection and repair as necessary
IOSC	Integrated Operations Support Center	IRB	initial response base
IOT	input/output trap	IRBM	intermediate-range ballistic missile
IOT&E	initial operational testing and evaluation	IRC	impact reference coordinate
IOTS	Indian Ocean Tracking Station	IRCA	infrared camera assembly
IP	impact point impact position impact prediction impact predictor inertial point information processor intercept point interface processor internet protocol Instrumentation Procedure	IRD	integrated receiver/decoder
IP&C	Instrumentation Planning & Control	IRE	initial response element Institute of Radio Engineers interrupt enabled
IPA	Intermediate Power Amplifier	IRFNA	inhibited red-fuming nitric acid
		IRG	interrecord gap
		IRIG	Inter-Range Instrumentation Group
		IRIG-B	Inter-Range Instrumentation Group Format B
		IRIG-E	Inter-Range Instrumentation Group Format E
		IRIG-H	Inter-Range Instrumentation Group Format H

ABBREVIATIONS AND ACRONYMS

I

IRIS Infrared Instrumentation System
Integrated Radar Information System

IRM ion release module

IRON inter-range operations number

IRP Installation Restoration Program

IRQ interrupt request

IRQ 5 interrupt request level 5

IRQ 7 interrupt request level 7

IRR Integrated Readiness Review

internal rate of return

IRS Interface Requirement Specification

Internal Revenue Service

IRSD Information Systems Requirement Document

IRSP Instrumentation Radar Support Program

IRST infrared search and track

IRT icing research tunnel

Initial Reconnaissance Team

IRU Inertial Reference Unit

IRV inter-range vector

ISA Industry Standard Architecture

interface systems and adapter

Interservice Support Agreement

interstage adapter

ISAR Inverse Synthetic-Aperture Radar

ISAS Institute of Space and Astronautical Science

ISB independent sideband

ISBN International System of Book Numbering

ISC improved submarine communication

incremental support capability

Instrumental System Controller

Intelligent Systems Corporation

ISCF Integrated Satcom/CTPS/FOV-1

ISCSI-1 Intelligent Small Computer System Interface 1

ISCT incremental support capability turnover

ISD Information Systems Division

ISDN Integrated Service Digital Network

ISDS Inadvertent Separation Destruction System

ISEE International Sun Earth Explorer (NASA)

ISFO Industrial Security Field Office

ISI Instrumentation Support Instruction

ISIO Intelligent Serial Input/Output

ISIO-1 Intelligent Serial Input/Output 1

ISIO-2 Intelligent Serial Input/Output 2

ISIS Integrated Storm Information System

ISIT intensified silicon image tube

ISL Initial System Loader

ISM Industrial Security manual

Instrumentation Support Manager

Instrumentation Systems Manager

Industrial Security Manual for Safeguarding Classified Information

ISO Instrumentation Ships Office (GSFC)

Intercept Station Operator

International Standards Organization

ISO/ANSI International Standards Organization/American National Standards Institute

IsP impulse specific

Integrated Support Plan (Logistics)

ISPF Interactive System Programming Facility

ISPO Instrumentation Systems Project Office

Instrumented Ship Project Office

ISRO Instrumentation Superintendent of Range Operations

Instrumentation Systems Range Officer

ISS International Space Station

ISSA Interservice Support Agreement

ISSL Initial Spares Support Listing

IST innovative science and technologies

Instrumentation Support Team

Integrated System Test

ISTA intelligence surveillance and target acquisition

ISTEF Innovative Sciences Technical Experiment Facility

ISU issue

IT Industrial Test Agency

Interface Test

Installation Test

ITAR International Traffic in Arms Regulations

ITAS Integrated Telemetry Analysis System

IT&T integration, transition, and test

International Telephone and Telegraph Company

ITC in tube conversion

instrumentation test console

ITCM integrated tactical countermeasures

ITD Internal Test Directive

I ABBREVIATIONS AND ACRONYMS

ITE	information technology equipment
ITEK	48-in. Aperture Tracking Telescope at Malabar, FL
ITEP	interim tactical ELINT processor
ITIP	Improved Trans-stage Injection Program
ITL	Integrate, Transfer, and Launch (area) Integrate, Transfer, and Launch (complex)
ITP	Industrial TEMPEST Program Integrated Test Plan
ITS	Integrated Transfer Subsystem Integrated Transfer System Integrated Transponder Survey Instrumentation Technology Systems
ITSS	Integrated Transponder Survey System
ITT	International Telephone & Telegraph
ITU	International Telecommunications Union
ITV	integrated technology validated (ARMY SDI) intercept test vehicle (ASAT)
IU	Instrumentation Unit Interface Unit
IUE	International Ultraviolet Explorer
IUR	Instrumentation Unit Review
IUS	Inertial Upper Stage interim upper stage
IV	initialization vector inspection volume
IV&V	independent verification and validation
IVE	interface verification equipment
IVT	interface verification test
IWDE	integrated weather display element
IWDS	Improved Weather Dissemination System
IWFNA	inhibited white-fuming nitric acid
IWP	In-service Work Plan
IZ	interference zone

ABBREVIATIONS AND ACRONYMS

J

J	jack joule(s) junction	JPL	Jet Propulsion Laboratory (California Institute of Technology)
J-SIIDS	Joint Service Interior Intrusion Detection System	JPO	Joint Project Office
J/FP	Joint Frequency Panel of the MCEB	JPCO	Joint Planning and Customer Service
JA	Job Authorization Staff Judge Advocate	JPCS	Joint Planning and Customer Service
JAMPS	JINTACCS Automated Message Preparation System	JPCSO	Joint Planing and Customer Service Office
JAMS	JDMTA Antenna Management System	JRSVC	jam-resistant secure voice communications
JANAP	Joint Army-Navy-Air Force Procedure Joint Army-Navy-Air Force Publication	JRT	Job Requirements Training
jato	jet-assisted takeoff	JS	Jimsphere (weather balloon) joystick
J-BOSC	Joint Base Operations Support Contract	JSC	Johnson Space Center, Houston, TX
JC	justification code	JSIPS	Joint Services Imagery Processing System
JCD	jack circuit drops	JSTARS	Joint Surveillance and Target Attack Radar System
JCL	job control language	JTA	joint test assembly MK5 instrumented reentry body
JCN	Job Code Number Job Control Number	JTACMS	Joint Tactical Missile System
JCS	Joint Chiefs of Staff	JTC3A	Joint Tactical Command, Control & Communications Agency
JCSAT	Japanese Communications Satellite	JTIDS	Joint Tactical Information Distri- bution System
JDMTA	Jonathan Dickinson Missile Tracking Annex	JTU	Joint Test Unit
jett	jettison	JUP	Jupiter
JFKSC	John F. Kennedy Space Center		
JHU/APL	Johns Hopkins University/Applied Physics Laboratory		
JIB	Joint Intelligence Bureau		
JIC	Joint Information Center		
JIN	Jupiter Inlet		
JINTACCS	Joint Interoperability of Tactical Command and Control System		
JIS	joint integrated simulation		
JITF	Joint Interface Test Force		
JITT	just-in-time training		
JOA	Job Order Authorization		
JOCAS	Job Order Cost Accounting System		
JOD	joint occupancy date		
JOM	Job Order Monitor		
JOML	job order master list of JON's		
JON	job order number		
JOP	Joint Operating Procedure		
JOSA	Joint Operating and Support Agreement		
JP4	grade of jet fuel		
JPASO	Joint Pacific Area Scheduling Office		
JPEG	Joint Photographic Experts Group		

K

ABBREVIATIONS AND ACRONYMS

K	Kelvin (degrees absolute) (degree symbol understood)	KUCULT	Command Tape Dump/Utility Program
k	kilo (1024 computer designation) kilo (prefix 1,000) thousand	KuSP	Ku-band signal processor
k Ω	kilohm	kv	velocity error coefficient
K _a	acceleration constant	kV	kilovolt(s)
K/A	keep-alive	Kv/Ka	constant velocity/constant acceleration
k/s	thousands per second	kV/m	kilovolts per meter
ka	acceleration error coefficient	kVA	kilovolt-ampere(s)
KAC	Kaman Aerospace Corp.	kVAR	kilovolt ampere reactive
kb	kilobit(s)	kW	kilowatt(s)
kB	kilobaud kilobyte(s)	kWh	kilowatthour(s)
kb/s	kilobits per second	KYBD	keyboard
kB/s	kilobytes per second	kyd	kiloyard(s)
KDP	keyboard display printer		
keV	kiloelectronvolt(s)		
KERN	Kernel		
KEW	kinetic energy weapon		
kft	thousands of feet		
KG	cryptographic		
kg	kilogram(s)		
kHz	kilohertz		
KICS	Kennedy Integrated Communications Services		
KKV	kinetic kill vehicle		
KLOC	thousand lines of code		
km	kilometers		
KMR	Kwajalein Missile Range		
kp/s	kilopulses per second		
KPA	key process area		
kPa	kilopascal(s)		
kpps	thousands of pulses per second		
KPRD	Kennedy Program Requirement Document		
KPT	Kaena Point, Hawaii (Western Test Range)		
KPTC	JSC identifier for WR FPQ-14 C-band Radar at Kaena Pt, HI		
KRCMOS	Command ROCC Command Master On-Line Switch (program)		
KS	Kennedy Support		
ks/s	kilosymbols per second		
KSA	Ku-band single access		
KSC	Kennedy Space Center		
KSC/SLF	Kennedy Space Center/Shuttle Landing Facility		
KSP	kernal stack pointer key select panel		
KSR	keyboard send and receive		
kt	knot(s)		
KTM	Kineto Tracking Mount		

ABBREVIATIONS AND ACRONYMS L

L	GPS signal at 393.855 MHz inductance launch (time) least significant bit length liter(s) local	LAS	launch abort site
L + (s, min, h, day)	Launch (time) plus (s, min, h, day)	LASERCOM	laser communications
L – (s, min, h, day)	Launch (time) minus (s, min, h, day)	LASO	Launch Area Survey Officer
L-band	radio detection and ranging frequency band (1000 to 2000 megahertz)	LASP	Laboratory for Atmospheric and Space Physics
L-band/TDS	L-band (1000 to 2000 MHz) Timing Distribution System	LASR	Low-level Altitude Surveillance Radar
L&I	launch and impact	LASRO	Launch Associated SRO
L&L	launch and landing	LASS	Lateral Acceleration Sensing System
L/A	look angle		Launch Area Support Ship
L/GSE	launch & ground support equipment	lat	latitude
l/min	lines per minute	LATS	launch area timing & status
L/O	liftoff	LAVC	local area VAX cluster
l/s	lines per second	LAWN	Local Area Weather Network
L/V	launch vehicle	LB	local battery
L1	GPS signal at 1575.42 MHz	lb	pound(s) (do not use “lbs”)
L2	GPS signal at 1227.60 MHz	lbf	pounds force
L3	GPS signal at 1381.05 MHz	lbm	pounds mass
LAA	Limited Access Authorization	lb-ft/s ²	pounds-feet per second(s) squared
LAC	landing aids control	lb-ft/ft ²	pounds per square foot
LACB	Landing Aids Control Building	lb/in ²	pounds per square inch
LACE/RME	laser communications experiment/ remote mirror experiment	LBC	Laser Beam Ceilometer
LACN	Local Area Communications Network	LBE	lower bandedge
LADDE	local atmospheric data display element	LBR	low bit rate
LAE	Liquid Apogee Engine	LBS	Launch Base Services
LAGEOS	Laser Geodynamics Satellite		Launch Base Support
LAIS	Launch Area Illumination System	LBTS	Long Baseline Tracking System
LAMP	Launch Anomaly Management Plan	LC	Launch Complex
	Lode Advanced Mirror Program		Launch Conductor
LAMS	Launch Acoustic Measuring System		Launch Controller
LAN	local area network	LC 17	Delta II/III Launch Complex
LANE	LAN emulation	LC 34	Multi-Object Tracking Radar Site
LANS	Local Area Network System	LC 36	Atlas Centaur Launch Complex
LAPS	Local Analysis and Prediction System	LC 37	Delta IV Launch Complex
	Local Area Prediction System	LC 39A	Space Shuttle Launch Pad, KSC
LaRC	Langley Research Center	LC 39B	Space Shuttle Launch Pad, KSC
LARTS	L-band Auxiliary Range Tracing System	LC 40	Titan 34D Launch Complex
		LC 41	CELV Launch Complex
		LC 47	Meteorological Sounding Rocket Launch Complex
		LCAS	low-cost access to space
		LCA	Launch Conductor Assistant
		LCB	least common bit
		LCC	launch commit criteria
			Launch Control Center, KSC
			Launch Control Complex
			life cycle cost
		LCCPV	life cycle cost, present value
		LCD	Launch Constraint Document
			launch countdown
			liquid crystal display
		LCDR	Lieutenant Commander

L ABBREVIATIONS AND ACRONYMS

LCL	local	LFI	last frame indicator
	Lower Control Unit	LFM	Launch First Motion
LCLV	liquid crystal light valve	LFSR	linear feedback shift register
LCLWX	local weather	LFT	left
LCN	Limited Capability Notice	LG	Logistics
LCOL	Lieutenant Colonel ("LTC" preferred)		low gain
LCP	left-hand circular polarization	LGA	low-gain antenna
LCS	Laser Crosslink Subsystem	LGC	local geodetic coordinate
	Launch Control System	LGCC	Launch Group Commander
LCSF	Launch Control Support Facility	LG/CC	Logistics Group Commander
LCT	Launch/Landing Control Team	LGSF	Launch Group Support Facility
LCU	landing craft, utility	LH	left hand
	Launch Correlation Unit		left hand polarity
LD	laser diodes	LH ₂	liquid hydrogen
	Launch Director	LHC	left-hand circular
	long distance	LHCP	left-hand circular polarization
LDA	launch danger area	LHD	left hand digit
	Launch Decision Authority	LHe	liquid helium
LDAR	Lightning Detection and Ranging System	LI	launch interval
LDC	limited data commitment (all Range acquisition tests)	LIEF	Launch Information Exchange Facility
LDCP	local discrete control panel	LIFO	"last-in, first-out"
LDD	loss, damage, or destruction (of Government property)	LIFT	lift-off
LDDR	low-density data receiver	LIMDIS	limited distribution
LDDT	low-density data transmitter	Lin	linear (usually refers to linear polarization)
LDE	lightning display element	LIPS	logical inferences per second
LDEF	Long Duration Exposure Facility	LIS	light impulse stimulator
LDES	launch designate	LIU	Line Interface Unit
LDIS	Low Dynamic Instrumentation System	LL	land line
LDM	laser diode module	LLC	logical link control
LDN	London (England) Communica- tions Switching Facility	LLCC	Lightning Launch Commit Criteria
LDR	leader	LLCSC	lower-level computer software component
	low data rate	LLH	latitude, longitude, and height
LDS	Launch Director Station	LLNL	Lawrence Livermore National Laboratory
LDXL	Large Diameter, Extra Length (solid rocket motor)	LLO	Logistics Liaison Office
LDZ	launch danger zone	LLPS	Lightning Location and Protection system
LEC	LAN emulation client	LLTD	launch and landing tracing data
LED	light-emitting diode	LLTDS	Launch and Landing Trajectory Data System
LEMON 1	RTCS Systems Controller commu- nications voice call sign	LLTIL	long lead time items list
LEO	low Earth orbit	LM	launch mandatory
	Low Earth-orbiting Satellite		lunar module
LEP	low energy particles	LMA	Lockheed Martin Astronautics
LER	launch equipment room	LMAO	Lockheed Martin Astronautics Operations
LeRC	Lewis Research Center (NASA)	LMC	Launch Master Control
LES	Launch Escape Subsystem		Lockheed Martin Corporation
LF	line feed	LMC/SCP	Launch MC/SCP
	low frequency (30-300 kHz)	LMC/SCC	Launch MC/SC console

ABBREVIATIONS AND ACRONYMS L

LMCAC	Launch Master Control Analyst console
LMCC	Launch Master Control console
LMF	language media format
LMIS&S	Lockheed-Martin Integrated Systems & Solutions
LMLV	Lockheed Martin Launch Vehicle
LMMS	Lockheed Martin Missiles and Space
LMR	land mobile radio Launch Mandatory Range Lockheed Martin Raytheon
LMS	least mean square
LMSA	launch master (control)/system control
LMSC	Lockheed Missiles and Space Company
ln	natural logarithm
LN ₂	liquid nitrogen
LNA	low-noise amplifier
LNL	letter-number-letter
LNO	Liaison Officer
LO	local oscillator lock on low
LO&SC	Launch Operations and Support Contract
LO ₂	liquid oxygen
LOA	leave of absence
LOC	length of character lines of code lines of communication local operator console Letter of Consent
LOCC	Launch Operations Control Center
LOD	Landing Operations Director
LODE	large optics demonstration experiment
LOE	level of effort
LOG	logistics
log	logarithm (base 10)
LOI	Letter of Instruction Lunar Orbit Insertion
LOIS	Liftoff Instrumentation System
LOM	List of Material
LOMPUFF	Local Meteorological Puff (diffusion model)
LON	launch on need
LONARS	Loran Navigation Receiving System
long	longitude
LOP	Local Operating Procedure
LOR	line outage recorder Loring (site)

LORAC	Long-range Accuracy (system) (navigation)
LORAN	Long-range Navigation (system)
LORAN-C	Long-range Navigation (system)
LORS	Low Observable Radar System
LOS	line-of-sight loss of signal
LOSAT	Laser Orbiting Satellite
LOT	liftoff time; update liftoff time (computer I/O routine) loss of track
LOTI	liftoff time
LOV	Lift of Values loss of view (or visibility) loss of visual
LOX, lox	liquid oxygen ("LO ₂ " preferred)
LP	launch point line printer local purchase loopback low-power
LP5	launch point DASO/FCET
LPA	launch performance analysis low-power amplifier
LPACU	Low Power Antenna Control Unit
LPADC	Low Power Antenna Designate Converter
LPATS	Lightning Position and Tracking System
LPCMUD	Low Power Command Modulation Unit Decoder
LPCMUE	Low Power Command Modulation Unit Encoder
LPD	Launch Preparation document low power display
LPI	Lunar Planetary Institute
LPL	low power listen
LPLWS	Launch Pad Lightning Warning System
LPMA	large pointing mirror assembly
LPO	Lunar Polar Orbit
LPP	Life Prolonging Program
LPS	Launch Processing System, KSC
LPSA	Liquid Propellant Storage Area
LPSAT	local pseudosatellite
LPSC	Liquid Propellant Services Contract
LPSCU	Low Power Systems Control Unit
LPSYS	Low-Power System
LPT	low power talk
LPU	Logic Processing Unit
LR	load ratio long-range
LRA	Lead Range Agency
LRC	Langley Research Center

L ABBREVIATIONS AND ACRONYMS

	launch reference coordinate	LSP	Large Screen Projector
	Lead Range Coordination		Launch Support Plan
	longitudinal redundancy check		Launch Support Program
LRCC	Lead Range Control Center	LSR	launch site recovery
LRCIF	Long Range Consolidated Instrumentation Facility		Launch Support Request
LRCO	Lead Range Control Officer		low sample rate
LRCU	Logic-Refresh-and-Control Unit	LSRO	Launch Superintendent of Range Operations
LRD	Landing Recovery Director	LSS	Laser Source System
LRFE	Low Resolution Flight Element		Launch Support Systems Program Office (SPO)
LRIP	launch rehearsal in port	LSS/BD	LASWE Source System/beam director
LRR	Launch Readiness Review (KSC) Long-range Radar	LSSD (GIB)	low-speed synchronous data
LRS	Launch Range Station	LSSE	Launch Site Support Engineer
	Local Ranging Station	LSSM	Launch Site Support Manager
LRSSI	Logical Range Safety Subsystem Interface	LST	launch support team
LRT	launch real-time		Low Level Software Test
L RTP	launch real-time processor	LSU	Logistics Support Unit
	Least Replaceable Unit	Lt.	Lieutenant
L RU	Line Replaceable Unit	LT	Lieutenant
	Line Replacement Unit	LTAD	LASS Telemetry Angle Display
LRV	launch readiness verification	LTAS	Launch Trajectory Acquisition System
LSA	logistics support analysis		
	lower stage assembly	LTC	Lieutenant Colonel
LSAD	low-speed asynchronous data		line time clock
LSAR	Logistics Support Analysis Record	Lt. Gen.	Lieutenant General
LSB	Launch Services Building	LT GEN	Lieutenant General
	least significant bit	Lt. (JG)	Lieutenant Junior Grade
	lower sideband	LTAS	Launch Trajectory Acquisition System
LSC	Launch Support Center	LTBA	launch tower buffer amplifier
	Launch System Control	LTC	Lieutenant Colonel
	linear shaped charge	LTG	Lieutenant General
LSCC	Launch System Control console	LTDS	Lockheed Test Director
LSD	landing ship dock	LTDS	Launch Trajectory Data System
	Landing Support Director	LTG	Lieutenant General
	large screen display	LTI	Limited Technical Inspection
	least significant digit	LTRS	letters
	low-speed data	LTWG	Launch Test Working Group
LSE	language-sensitive editor	LUF	lowest usable frequency
	launch support equipment	LUT	launch umbilical tower
	life support equipment		look up table
	linear standard error	LUW	local unique word
LSEAT	Launch Systems Evaluation Advisory Team	LV	launch vehicle
LSF	launch support facility	LVCV	Launch Vehicle Control Van
	launch vehicle simulated flight	LVDA	Launch vehicle digital adapter
LSHSP	locally switchable hot spare	LVDC	Launch Vehicle Data Center (Hangar AE)
LSI	large-scale integration		launch vehicle digital computer
LSIM	LASS Ship's Instrumentation Manager	lv	level
	Launch Site Integration Manager	LVL	level
LSL	Logical Station List	LVRT	Launch Vehicle Readiness Test
LSM	landing ship medium	LVTC	Launch Vehicle Test Conductor
LSO	Landing Support Officer		Launch Vehicle Test Controller
		LW	long word
		LWIR	long-wave infrared

ABBREVIATIONS AND ACRONYMS **L**

LWT	launch weather team
LWO	Launch Weather Officer
LZPF	Level Zero Processing Facility

M

ABBREVIATIONS AND ACRONYMS

M	maintainability Maintenance mandatory (data priority) mandatory requirement mega (prefix, 1 million) monitor monthly most	MAHE	Mahe Island, Seychelles Group (Station 89)
m	milli (prefix, one-thousandth) meter(s)	maint	maintenance
mΩ	megohm(s)	Maj.	Major
M Carr	manual carrier	MAJ	Major
M&C	monitor and control	MAJCOM	Major Command
M&E	Material and Equipment	Maj. Gen.	Major General
M&O	maintenance and operations manned and operational	MAJ GEN	Major General
M&S	materials and supplies	MAL	Malabar, Florida
M/C	modulator/connector	MALDT	mean administrative logistic delay time
M/F	mark for	MALEO	modular assembly in low earth orbit
M/O	manned and operational	MALS	modular assembly on the lunar surface
m/s	meters per second	MAN	Metropolitan Area Network
M43	FTSS II	Man	manual
MA	multiple access	Man SWBD	manual switchboard
mA	milliampere(s)	MAP	message acceptance pulse
MAB	master acquisition bus Missile Assembly Building	MAPS	Modular Azimuth Positioning System
MAC	Management Action Center Media Access Control Military Airlift Command	MARE	Major Accident Response Exercise
MACA	Missile Assembly and Checkout Areas	MARK	Significant Flight Event
MACCS	Marine Aviation Command and Control System	MARS	Military Affiliate Radio Station Military Affiliate Radio System Military Amphibious Reconnaissance System
mach	body-to-sound speed ratio (do not abbreviate)	MARSA	military assumes responsibility for separation of aircraft
MACLO	machine Military Airlift Command Liaison Officer	MARSS	Meteorological and Range Safety Support
MACOM	Major Army Command	MARV	maneuverable reentry vehicle
MACS	Modular Attitude Control System	MARWS	maximum allowable recorded wind speed
MACS	Multiplexer/Demultiplexer Auto- matic Control System	MAS	MRU/ADC/STU
MAD	Madrid 26m Deep Space Network Station (3-letter designator) Madrid, Spain (NASA STDN station)	MASO	Munitions Accountable Supply Officer
MADS	Militarized Advanced Disk System	MAST	measurement and stimulus database mission-associated support tasks
MAF	multiple access, forward link	MATE	modular automatic test equipment
MAFIS	Mobile Automated Field Instru- mentation System	MATES	Magnetic Analog Tape Evaluation System
mag	magnetic	MAW	Military Airlift Wing
MAG	Military Assistance Group	MAX, max	maximum
MAGE	mechanical aerospace ground equipment	MB	medium band megabyte(s) Melbourne Beach millibar missile body
		Mb	megabit(s)
		MB/s	megabytes per second
			megabytes/second
		Mb/s	megabits per second
		mbar	millibar(s)

M ABBREVIATIONS AND ACRONYMS

MBCS	Meteor Burst Communications System	MCHAN	multichannel
MBE	molecular-beam epitaxy	MCI	Microwave Communications, Inc.
MBI	multibus interface	McIDAS	Man Computer Interactive Data Access System
MBps	megabytes per second	MCM	major corrective maintenance
MBO	management by objectives	MCO	Miscellaneous Changes Order
MBP	MAP bit pattern (computer I/O routine)	Mission Control Operations	
MBS	Microcomputer Buffer System	MCP	Military Construction Program
	Microprocessor Buffer System		mobile command post
MBWA	managing by walking about	MCPB	multiple channels per burst
Mbytes	megabytes	MCR	Martin Contract Report
MC	Maintenance Controller		Mid-Course Radar
	Master Clock		Modification Completion Report
	Master Control		Maintenance Control Station
	minor construction		Maneuver Control System
	Mission Coordinator (ARIA)		Master Control Station
MC3	Multi-Channel Crypto Controller		Microprocessor System
MC&S	CSR Maintenance Control and Support		Mission Control Supervisor
			Mission Control System
MC/SC	Master Control/System Control	MCSYS	McIDAS Control Program
	Master Control/System Controller	MCT	Mini Computer Technology
MC/SCD	MC/SC display		mobile communications terminal
MC/SCF	Mission Control/System Control Function	MCTmax	maximum corrective (maintenance) downtime
MC/SCP	Mission Control/System Control processor	MCW	modulated continuous wave
	MC/SC processor		meteorological data file
MCA	Master Control Analyst	MD	Mission Director
	military construction (Army)	MDAF	Motor Data Analysis Facility
MCAB	master control analyst backup	MDB	main distribution box
MCBR	Mobile C-band Radar	MDC	manipulation detection code
MCC	Maintenance Control Center		Message Distribution Center (PAFB)
	Master Control console		Message Distribution console
	Mission Communication Center		Mission Director Center (CCAFS)
	Mission Control Center (JSC)		Mission Director's Control Center
	Mission Control Complex	MDCC	
MCC-H	Mission Control Center, Houston	MDDF	minimum delay data format
MCC-K	Mission Control Center, Kennedy	MDE	mission-dependent equipment
MCC-NASA	Mission Control Center, NASA	MDF	main distribution frame
MCCC	Mission Control and Computing Center (Jet Propulsion Laboratory)		Mate/Demate Facility
			Metric Data Facility
MCCJC	Maintenance Control Center Job Control		multiple detonating fuse
		MDIU	Manual Data Insertion Unit
MCD	Mission Continuation Display	MDM	multiplexer/demultiplexer
MCDC	MCC data concentrator	MDP	meteorological data processor
MCDIP	Mode Control Display processor		metric data processing
MCDL	MCC downloader		Metric Data Processor
MCDS	Multifunction CRT Display System	MDR	mission dress rehearsal
	multiple conferencing digital switch	MDRA	mission data reduction and analysis
		MDRS	Meteorological Data Reduction System
MCEB	Military Communications Electronics Board	MDS	Meteorological Data Specialist
			Microcomputer Digital Servo
			Microprocessor Digital Servo (system)
			Mission Design Series

M

ABBREVIATIONS AND ACRONYMS

	multiconferencing digital switch	MFI	modulation/fault inhibit
	multiple digital switch	MFID	mainframe identification
	minimum discernible signal	MFOD	Manned Flight Operations Division
MDT	mean downtime	MFP	Major Force Program
	message distribution terminal	MFPD	move from previous data space
MDTF	Meteorological Data Transfer Format	MFPE	mission from planet Earth
MDU	Master Data Unit	MFPI	move from previous instruction space
MEARS	Multi-User Engineering Change Proposal Automated Review System	mfr	manufacturer
		MFT	manifest
MEAS	measured	MG	medium gain
MEASAT	Malayxia Communications Satellite		motor generator
MEB	main electronics box	mg	milligram(s)
MECO	main engine cutoff	MGA	medium-gain antenna
MED	manipulate electronic deception	MGC	manual gain control
	manual entry device		missile guidance computer
	medical	MGF	magnetic field
	medical personnel (BOC)	MGN	Magellan
MEDEVAC	medical evacuation	Mgr	manager
MEECN	Minimum Essential Emergency Communication Network	MGSE	mechanical ground support equipment
MEK	methyl ethyl ketone	MGT	management
MELV	medium expendable launch vehicle	mH	millihenry(s)
MER	Mission Evaluation Room	MHD	magnetohydrodynamic
MES	main engine start	MHE	material handling equipment
	Meteorological Electronic Specialist	MHO, mho	unit of conductivity (use "siemens")
MET	missed external trigger	MHW	mean high water
	mission elapsed time	MHz	megahertz
met	meteorological	MI	modem interface
	meteorology	mi	mil(s) (statute)
METAL	mission, enemy, troops, area, logistics		mile(s)
METEOSAT	European Meteorological Satellite	mi/h	miles per hour
metroc	meteorological rocket	MIB	microinstruction bus
METS	Material and Equipment Tracking Status	MICOM	Missile Command (Army)
	Meteorological Systems (coordinator)	MICR	magnetic ink character recognition
METVU	Meteorological Viewing Unit	Micro	One millionth
MeV	million electron volt	MIDDS	Meteorological Interactive Data Display System
MF	medium frequency (300-3000 kHz)	MIGOR	Mobile Intercept Ground Optical Recorder
MFC	manual frequency control		Mobile Intercept Ground Optical Recording (system)
MFCC	Mission Flight Control Center	MIJI	meaconing, intrusion, jamming, and interference
MFCO	manual fuel cutoff	MIL	Merritt Island, FL (NASA STDN station)
	Mission Flight Control Office		Merritt Island Ground Network Station (3-letter designator)
	Mission Flight Control Officer		Military Specifications
MFD	microfarad	MIL, mil	military
MFED	Manned Flight Engineering Division	mil	one-thousandth (of 1 radian)
MFEL	medical free-election laser	MIL HDBK	Military Handbook
MFFG	Median Filter First Guess	MIL-STD	Military Standard
MFG	manufacturer	MILA	Merritt Island Launch Area
mfg	manufacturing		
MFH	military family housing		

M ABBREVIATIONS AND ACRONYMS

MILS	Missile Impact Location System	MLE	mesoscale lightning experiment
MILSATCOM	Military Satellite Communications Military Satellite Communications System	MLI	multilayer insulation
MILSTAMP	Military Standard Transportation and Movement Procedure	MLP	mobile launch platform mobile launcher platform multi-line phone
MILSTAR	military communications satellite military, strategic, tactical, and relay	MLRS	Multiple Launch Rocket System
MILSTRIP	Military Standard Requisitioning and Issue procedure	MLS	Microwave Landing System multilevel security
MIM	Mission Integration Manager	MLV	medium launch vehicle
MIMS	Mobile Infrared Measurement System	MLVE	Middeck Locker Equivalent
min	minute(s) minimum	MLW	mean low water
MINDAC	miniaturized data assimilation computer	mm	millimeter(s)
MIPIR	Missile Precision Instrumentation Radar	MM	Maintenance Manager multi-mode (fiber optic) millimeters per second
MIPR	Missile Impact Predictor Radar	mm/s	millimeters per second
MIPS	million(s) instructions per second	MMAX	Maximum Time to Repair
MIR	Mission Integration Review	MMAX, Mmax	maximum continuous downtime
MIRACL	MODCOMP Interface Receiver	MMDC	mount misalignment data collection
MIRV	mid-infrared advanced chemical laser	MMH	monomethyl hydrazine
MIS	multiple independently targetable reentry vehicle	MMI	man-machine interface Minuteman I
MIS	mainland instrumentation site Management Information System Missile Integration Site Military Security Assistance Program	MMIC	monolithic microwave integrated circuit
misc	miscellaneous	MMII	Minuteman II
MISS	Mobile Instrumentation Support System	MMIII	Minuteman III
MISTIC	microprocessor integrated servo for tracking instrumentation control	MMR	M&O postmission report
MITOC	missile technical operations com- munications	MMS	Module Management System multimission modular spacecraft
MITTS	Mobile IGOR Tracking Telescope System	MMSE	multiuse mission support equipment
MIVE	Mechanical Interface Verification Equipment (Centaur)	MMT	mean-maintenance time multimedia terminal
mJ	millijoule(s)	MMU	Manned Maneuvering Unit Mass Memory Unit Memory Management Unit
MJACOM	Major Air Command	MMW	Millimeter Wave Radar
MJD	modified Julian date	MNS	Mission Need Statement
MJS	Mariner, Jupiter, Saturn	mo	month
MK	master key	MO&DS	Mission Operations and Data System
Mk	mark	MOA	Memorandum of Agreement
MK4	reentry body used on D5 missiles	MOC	Metric Optics Controller Mission Operations Center
MK5	reentry body used on D5 missile	MOC/DSC	mission operations computer/ dynamic standby computer
ML	mission log	MOCC	Maintenance and Operations Coordination Center
MLA	Merritt Island Station (3-letter designator)	MOCR	Mission Operations Control Center Mission Operations Control Room (JSC)
		MOCS	Mission Operations Communications System
		MOCVD	metalorganic chemical - vapor deposition
		MOD	Ministry of Defence (U.K.)

M

ABBREVIATIONS AND ACRONYMS

mod	modification	mph	miles per hour
MODA	modulator	MPI	mean point of impact
MODAPS	Modcomp assembly program	MPL	modification to production line equipment
modem	MOTR Data Processing System		Motion Picture Laboratory
MODEP	modulator-demodulator		multiprotocol over ATM
MOIS	module repair depot	MPOA	Main Propulsion System
	Missile Operations Intercommu- nications System	MPS	Mesoscale Prediction System
MOM	M&O Memorandum		Mobile Radar-Detecting (Tracking Type)
	Microsoft Office Manager		meters per second
MON	monitor	mps	Multi-Purpose Support Room
MON SEL	monitor select	MPSR	male pipe thread
MOP	Meteorology Operating Procedure	MPT	Microprocessing Unit
	Mission Operations Plan	MPU	CDC Operating System for MP-60 processor
MOPS	Missile Operations Phone System	MPX	multiplex(ing)
MOS	metal oxide semiconductor		Management Reserve
	military occupational speciality	MR	master reset
MOSFET	metal-oxide semiconductor field- effect transistor		milliradian
MOST	Mission Operation Support (NASA)		Mission Ready
	Mobile Optical Surveillance Tracking (system)	MR/U	Meet Range User
MOUTH	Message on-axis Users Traffic Handler	MRA	maximum repair allowance
MOT	mobile optical tracker		Modification Request and Approval
MOTHR	mobile optical theodolite recorder	MRAALS	Marine Remote Area Approach Landing System
MOTIR	Missile Operations terminal inter- phone and radio	mrاد	milliradian(s)
MOTR	Multiple Object Tracking Radar	mrاد/s	milliradians per second
MOTS	Mobile Optical Tracking System	MRC	material readiness capability
	multiple object track scheduler	MRD	Mechanized Range Documentation
MOTU	Mobile Technical Unit	MRDT	Mission Readiness Demonstration Test
MOU	Memo of Understanding	MRE	marine radio-telephone element
MOV	metal oxide varistor	MRF	medium range forecast model
MOW	Mission Operations Wing	MRFS	multipurpose radio frequency surveillance
MP	Maintenance Procedure	MRIB	metric remote input buffer
	Master Processor	MRL	Missile Research Laboratory
	Military Police	MRMS	Mechanized Resource Management System
MPA	mission peculiar adapter	MROB	metric remote output buffer
MPACS	Modular Precision Angular Control System	MROFIE	mission requirements on facilities/ instruments/experiment
MPC	maintenance priority code	MRS	Master Ranging Station
	microprocessor controlled		Major Radiological Sources
	Mission Processing Center		Mechanized Range Scheduling
MPCC	Multiprotocol Communication Controller		minimum residual shutdown
MPDL	Maintenance Program Designation Letter	MRSIF	Midrange Station Instrumentation Facility
MPDT	mission parameter data tape	MRT	miniature receive terminal
MPE	maximum permissible exposure	MRTB	Missile Research and Test Building
	minor plant equipment	MRTFB	Major Range and Test Facility Base
	mission-peculiar equipment		
MPEG	Moving Pictures Expert Group		

M ABBREVIATIONS AND ACRONYMS

MRU	Military Radar Unit	MSN, msn	mission
MRV	Monitor Recording Unit	MSOHONO	Military Sealift Command Office, Honolulu, Hawaii
	missile recovery vessel	MSOP	Mission Support Operational Program
MS	multiple reentry vehicle	MSP	Mission Support Position
	Maintenance Specialist	MSPSP	Missile System Prelaunch Safety Package
	Management Systems		Missile System Prelaunch Safety Plan
	microsecond(s)	MSR	main supply route
	missile station		multispeed repeaters
	mission specialist	MSRT	Medical Shuttle Response Team
	mission support	MSS	Manufacturers Standardization Society of the Valve and Fittings Industry, Inc.
	monitor station		Meteorological Sounding System
ms	millisecond(s)	MSSD	Management Systems and Software Development
MSAP	Military Security Assistance Program	MSSD (GIB)	medium-speed synchronous data
MSAT	Mobile Communications Satellite	MST	marine star tracker
MSB	most significant bit		missile (mobile) service tower
MSBLS	Microwave Scanning Beam Landing System		mobile service tower
MSC	Manned Spaceflight Center		module service tool
	Master Systems Console	MSTS	Military Sea Transportation Service
	Measurement Systems Controller	MSU	Message Storage Unit
	Meteorological Support Center		Message Switching Unit
	Meteorology System Computer	MT	Maintenance Technician
	Military Sealift Command		material transfer
MSCD	military support to Civil Defense	MTACCS	Marine Tactical Command and Control System
MSCO	manual sustainer cutoff	MTB	mission test bit (computer I/O routine)
MSCO/MTMC	Military Sealift Command Office (Navy)/Military Traffic Management Command (Army) Port Canaveral	MTBCF	mean time between critical failures
MS-DOS	Microsoft Disk Operating System	MTBF	mean time between failures
MSDS	Material Safety Data Sheet	MTBMA	mean time between maintenance action
MSE	Manned Spaceflight Engineer	MTC	Missile Test Conductor
	mean square error	MTC (msg)	M&C to console
	Mission Support Engineer	MTCR	Missile Technology Control Regime
	mobile subscriber equipment	MTC/OW	maintenance order wire
msec	millisecond(s) ("ms" preferred)	MTD	Moorestown Depot
MSFC	Marshall Spaceflight Center (NASA, Huntsville)		moving target detector
MSFN	Manned Spaceflight Network (NASA)	MTEC	Master Telemetry Equipment Controller
MSFNOC	Manned Spaceflight Network Operations Center	MTI	moving target indicator (mode)
MSFSG	Manned Spaceflight Support Group	MTIS	Missile Tracking Instrumentation System (FTSS)
MSFTP	manned spaceflight telemetry processor	MTM	magnetic tape message
MSG CEN	message center	MTN	Modification Transmittal Notice
MSG, msg	message	MTOE	modified table(s) of organization and equipment
Msgt	master sergeant	MTPD	move to previous data space
MSI	Management Systems, Inc.	MTPE	mission to planet Earth
MSID	measurement/stimulus identifier		
MSK	Mission Support Kit		
MSL	mean sea level		
	Microgravity Science Laboratory		
msl	missile		
MSMV	monostable multivibrator		

ABBREVIATIONS AND ACRONYMS M

MTPI	move to previous instruction space
MTSD	magnetic tape storage device
MTSE	maintenance test and support equipment
MTTR	mean time to repair mean time to restore
MTTRF	mean time to repair function
MTTRS	Mean Time To Restore System
MTTS	Magnetic Tape Terminal Station Manpower Tasking & Tracking System
MTU	Magnetic Tape Unit Master Timing Unit
MTVS	Mobile Television System
MU	mail unit
MUA	Material Usage Agreement
MUDD	MCC User Data Display
MUF	maximum usable frequency
MUG	McIDAS Users' Group
MULE	modular universal laser equipment
Multitarget	Multiple target
MUST	Mobile Undersea Systems Test
MUSTRAC	multiple target steerable telemetry tracker
MUX/DEMUX	multiplexer/demultiplexer
MUX, mux	multiplexer
mV	millivolt(s)
MVAK	module vertical access kit
MVR	maneuver
MVS	multiple virtual storage
MW	megawatt(s) Microwave
mV	millivolts
mW	milliwatt(s)
MWA	Meteorological Weather Advisory
MWC	Missile Warning Center
MWO	Modification Work Order
MWP	MAP waiting period (computer I/O routine)
MWRS	Millimeter Wave Radio System
MX	missile
MY	man-year

N

ABBREVIATIONS AND ACRONYMS

N	North	NATC	Naval Air Training Command
N (type)	No Test Required	NATO	North Atlantic Treaty Organization
n	Standardized size/type of radio frequency connector	NAV	navigation
n	nano (prefix, one-billionth)	NAVAID	navigation aid
N ₂	nitrogen	NAVAIR	Naval Air Systems Command
N ₂ H ₄	hydrazine	NAVCOMPARS	Navy Communications Processing and Routing System
N ₂ O ₄	nitrogen tetroxide	NAVFAC	Naval Facility
N/C	no change	NAV MACS	Naval Modular Automated Communications System
N/D	nondimensional	NAVOBSY	Naval Observatory
N/R	not required	NAVSAT	Navy Navigation Satellite System
N/S/R	no special requirement	NAVSEA	Naval Sea Systems Command
NA	not applicable	NAVSEC	Naval Ships Engineering Center
	not available	NAVSOC	Naval Space Operations Center
NAADM	North American Air Defense Modernization	NAVSPASUR	Naval space surveillance
NABS	NATO Airborne SATCOM	NAVSTAR	navigation satellite timing and ranging
NAC	National Agency Check		
NACE	National Association of Corrosion Engineers	NAVSUPPACT	Naval Support activity
NACK	not acknowledged	NAVSUPPFAC	Naval Support Facility
NACP	Navy Acoustical Communication Program	NAVSWC	Naval Surface Warfare Center
NACS	Northern Area Communication (program)		Naval Surface Weapons Center
NACSI	National Communications Security Instruction	NAWC	Naval Air Warfare Center (Pt. Mugu, CA)
NACSIM	National Communications Security Instruction Memorandum	NAWCWPNS	Naval Air Warfare Center/ Weapons Div. Pt. Mugu
	National Communications Security Information Memorandum	NB	narrowband
NAD	Network Access Device		narrow bridge
NADC	Naval Air Development Center	NBA	Naval timing standard (Balboa, Panama)
NADGE	NATO Air Defense Ground Environment	NBC (msg)	NCC broadcast channel (TCC)
		NBC	nuclear, biological, and chemical
NADS	North Atlantic Defense System	NBM (msg)	NCC broadcast message (TCC)
NAF	nonappropriated funds	NBS	National Bureau of Standards
NAFIP	National Foreign Intelligence Program	NC	Network Controller
NAMO	NASA Management Office		normally closed
NAND	computer logic element	NCA	nose cone
NAPMO	NATO AWACS Program Management Office		National Command Authority
		NCAR	National Command Authorization
NARC	Nonautomatic Relay Center		National Center for Atmospheric Research
NARS	North Atlantic Radio System	NCC	NASA Convoy Commander
NAS	Naval Air Station		Network Control Center (CT-3000)
NASA	National Aeronautics and Space Administration	NCCR	net control conference (circuit)
NASCOM	NASA Communications (Network) (GSFC)	NCCS	no calibration cycle required
NASCOP	NASA Communications Operating Procedure		Navy Command and Control System
NASP	National Aerospace Plane	NCEP	National Center for Environmental Prediction
NAT	Network Advisory Team	NCG	Network Control Group
		NCMC	NORAD Cheyenne Mountain Complex
		NCO	Noncommissioned Officer
		NCOIC	Noncommissioned Officer in Charge

N

ABBREVIATIONS AND ACRONYMS

NCOS	National Council on Space		WSR-88D next generation
NCR	Network Change Request		(Doppler) Radar
	no calibration required	NEXT	near-end crosstalk
	no carbon required	nF	nanofarad(s)
NCS	National Communications System	NFE	nose fairing eject
	Network Control Station	NFFE	National Federation of Federal
	network control segment		Employees
	Network Control System	NFPA	National Fire Prevention Agency
	Nutation Control System	NFS	Network File System
NCSC	National Computer Security Center	NGDC	National Geophysical Data Center
NCSL	National Conference of Standards		(Boulder, CO)
	Laboratories	NGM	nested grid model
NCT	Network Calibration Team	NGO	non-geosynchronous orbit
ND	Network Directive	NGT	NASA Ground Terminal (TDRS)
	Network Director (GSFC)		(White Sands, NM)
	neutral density	NGTB	North Gate Terminal Building
	nutation damper	NGTP	Navy GPS Tracking Processor
NDA	National Defense Area	NHA	next higher assembly
NDAC	not data accepted	NHC	National Hurricane Center
NDHIS	Navigation/Data Handling	NHPA	National Historic Preservation Act
	Interface System	NHS	New Hampshire Station (Tracking)
NDI	nondestructive inspection	NHTB	North Harbor Terminal Building
	non-developmental item(s)	NIB	non-interference basis
NDM	navigation data message	NIC	Network Instrumentation
NDRE	Natural Disaster Response		Controller
	Evaluation		North Integration Cell (SPIF)
NDRF	National Defense Reserve Fleet		network interface card
NDS	Navigation Development Satellite	NICMOS	near infrared camera multi-object
	nondevelopment software		spectrograph
	Nuclear Detonation Detection	NICS	NATO Integrated Communications
	System		System
NDTL	Nondestructive Testing Laboratory	NIIN	National Item Identification
NE	Northeast		Number
NEACP	National Emergency Airborne	NIM	NASA Interference monitor
	Command Post	NIP	network interface processor
NEAR	near earth asteroid rendezvous		network implementation plan
NEC	National Electric Code	NIPC	NASCOM interface personal
NECA	National Electrical Contractors		computer
	Association	NIPS	Naval Intelligence Processing
NEETS	Naval Electronic Environmental		System
	Training System	NIS	NATO Identification System
NEMA	National Electrical Manufacturers		Navigation Interface System
	Association		not in stock
NEMO	Network Management Office	NISN	NASA Integrated Services
NESO	Naval Electronics Supply Office		Network (formerly NASCOM)
NESP	Navy EHF Satellite Program	NIST	National Institute of Standards and
NESSEC	Naval Electronic Systems Security		Technology
	Engineering Center	NIT	Network Integration Test
NESTEF	Naval Electronic Systems Test and	NITE	N-Interval trajectory estimation
	Evaluation Facility	NITS	National Technical Information
NET	not earlier than		Service
Net, net	Network	NLDN	National Lightning Detection
NETSEG	Network Segment		Network
NEXRAD	next generation radar	NLM	NASA Launch Manager

N

ABBREVIATIONS AND ACRONYMS

NLQ	National Library of Medicine		
NLSD	Near Letter Quality		
NLT	NASA Logistic Supply Depot	NORATS	North American Air Defense (Command)
NMA	not later than		Naval Operational Radio-Telephone System
NMC	National Management Association	Norm/Deg	Normal/Degraded
	National Meteorological Center	NOS	Networking Operating System
	non-mission capable		Not synchronized
NMCC	National Military Control Center	NOS/VE	Network Operating System/Virtual Environment
NMCS	National Military Command System	NOS/VE/RT	Network Operating System/Virtual Environment/Realtime
	Network Monitor And Control System	NOSP	Network Operations Support Plan
NMFC	National Motor Freight classification	NOTAL	referenced correspondence is not addressed to or needed by all
nm	nanometer	NOTAM	Notice To Airmen
nmi	nautical mile(s)	NOTU	Naval Ordnance Test Unit
	no middle initial	NOWILCO	support requirement which cannot be met
NMI	nonmaskable interrupt		
NMIS	Naval Mobile Instrumentation System	NPA	numbering plan area (authorized area code)
NMS	Network Maintenance Specialist	NPB	neutral particle beam
NMSGRY	New Message Ready	NPD	navigation payload
NNE	North Northeast	NPF	NAVSTAR Processing Facility
NNSG	NASCOM Network Scheduling Group	NPPS	Navy Printing and Publishing Service
NNSS	Navy Navigation Satellite System	NPS	National Park Service
NNW	North Northwest	NR	no requirement
NO	normally open (relay contact)		not required
	north ("N" preferred)	NRAM	nonvolatile random access memory
No.	number(s)	NRC	Nuclear Regulatory Commission
NOAA	National Oceanic and Atmospheric Administration	NRC (msg)	NCC return channel (TCC)
NOACK	support element has not acknowledged	NRDS	Nuclear Rocket Development Station
NOC	NCC operating console (TCC)	NRFD	not ready for data
	Network Operations Control	NRHP	National Register of Historic Places
NOCC	Network Operations Control Center (GSFC)	NRL	Naval Research Laboratory
NOCMT	requirements which have not been committed	NRM (msg)	NCC return message (TCC)
		NRS	NASA resource scheduling
NOD	Network Operations Directive	NRT	near real-time
NOFORN	not releasable to foreign nationals		non real-time
NOHD	Nominal Ocular Hazard Distance	NRTS	Network Readiness Test
NOIBN	not otherwise identified by name	NRU	Not Repairable This Station
NOINTS	No Interrupts	NRZ	NASA/Range User
NOM	Network Operations Manager	NRZ-C	nonreturn to zero
	network output multiplexer	NRZ-I	nonreturn to zero - change
nom	nominal	NRZ-L	nonreturn to zero - indicated
NON-VA	nonvalidation message	NRZ-M	nonreturn to zero-level
NOPS	Network Operations	NRZ-S	nonreturn to zero-mark
NOR	Notice of Revision	NS	nonreturn to zero - space
NORAD	North American Aerospace Defense Command		nonstandard
			nonstocked
		ns	nanosecond(s)
		NSA	National Security Agency
		NSBY	no standby

ABBREVIATIONS AND ACRONYMS

N

NSC	NASA Support computer Naval Supply Center navigational status console Network Scheduling Coordinator	NVRAM	nonvolatile RAM
NSCS	Naval Strategic Communications Simulator	NW	Northwest
NSDP	Network Systems Development Plan	NWC	Naval Weapons Center
nsec	nanosecond(s) ("ns" preferred)	NWS	National Weather Service Naval Weapons Service
NSE	noise	NXX	North Warning System exchange code
NSEP	National Security Emergency Preparedness	NV	Nominal verifier
NSF	National Science Foundation		
NSG	Network Support Group		
NSI	NASA Standard Initiator		
NSK	narrow shift keying		
NSL	nonstock listed		
NSM	Network Support Manager		
NSN	National Stock Number		
NSOL	Not Scheduled Operation List		
NSP	network signal processor		
NSS	N station solution National Space Society navigation synchro switchboard		
NSSC	NORAD Space Surveillance Center		
NSSPO	Naval Strategic Systems Project Office		
NST	Navy Standard Teleprinter Network Support Team		
NSTL	National Space Technology Laboratories		
NSTS	National Space Transportation System		
NSWC	Naval Surface Weapons Center		
NTB	National Test Bed North Terminal Building		
NTC (msg)	NCC to console (TCC)		
NTD	NASA Test Director		
NTE	not to exceed		
NTS	Naval Telecommunications System Navigation Technology Satellite Nevada Test Site (NASA) (DOE)		
NTSC	National Television Standard Code National Television Standards Committee		
NTSC-TV	National Television Standards Committee - Television		
NTTF	NASA Test and Training Facility		
NUDET	nuclear detection		
NUM	number		
NUS	no upper stage		
NUSAT	Northern Utah Satellite		
NUSC	Naval Underwater Systems Center		
NVR	nonvolatile residue no verification required		



ABBREVIATIONS AND ACRONYMS

O	operational output	OCCP	Optical Central Computer Program
O&C	Operations and Control (building) (KSC)	OCE	officer conducting the exercise Operations Control Engineer
O&IA	Operation And Integration Agreement	OCH	Operational Configuration Handbook
O&M	Operation and Maintenance	OCI	Operation Control Instruction
O&S	Operation and Support	OCLTH	Loop Test HF Modem - Start Command
O-2A	aircraft type; first character in abbreviation is alphabet letter, not zero	OCLTS	Loop Test SATCOM - Start Command
o/a	on or about	OCOE	overall checkout equipment
O/L	organizational maintenance on line open loop	OCP	operator control panel
O/S	omnidirectional/steerable	OCR	Office of Co-related Responsibility
O/W	order wire	OCRL	Operations Control Reference Library
OACSC-E	Office of Assistant Chief of Staff for Communications-Electronics	OCS	Ordnance Control Subsystem
OADR	originating agency's determination required	oct	octal
OAE	office automated equipment	OD	Olive drab operational downlink
OAFF	on-axis freefall (tracking mode)	ODA	Operations Directive Annex
OALS	Orbiter Automatic Landing System	ODAT	output data bus
OAM	Operations Administration and Maintenance	ODC	other direct costs
OAQ	Orbiting Astronomical Observatory (GSFC/Grumman)	ODDL	onboard digital data load
OAP	off-axis parabolic	ODDLF	onboard digital data load function
OAPF	on-axis powered flight (tracking mode)	ODE	Offline Diagnostic Environment
OAR	Office of Aerospace Research (AFSC)	ODES	Orbital designate
OART	Office of Advanced Research and Technology (NASA)	ODF	optical distribution frame
OAS	Onizuka Air Station (3-letter designation) optics alignment structure orbiter avionics simulation	ODOP	Offset Frequency UDOP System
OB	Operations Building optical bench optical branch	ODP	Ocean Drilling Program
OB/DG	Ocean Breeze Dry Gulch	ODT	octal debugging technique
OBAN	operating budget account number	OE	organizational effectiveness
OBJ	object(ive)	OEI	office environment end instruments
OBRC	Operating Budget Review Committee	OEM	original equipment manufacture
obs	observation	OEWS	Operational Enhancement to the Weather Subsystem
OC-N	Optical Carrier Level-n	OF	object file
OCA	Orbital Carrier Aircraft	OFB	output feedback
OCB	Operations Control Building/ NOTU Headquarters ordnance control box	OFC	Operational Familiarization Course
OCC	Operations Command Center (SE) Operations Control Center	OFE	Optical Front End
		OFEP	OTCC Front End Processor
		OFS	orbiter functional simulator
		OFT	orbital flight test
		OG	Operations Group
		OGCC	Operations Group Commander
		OGE	operational ground equipment
		OGO	Orbiting Geophysical Observatory (GSFC/STL)
		OH	Ohio overhead
		OI	Operational Instrumentation USNS Observation Island
		OIC	Officer in Charge

ABBREVIATIONS AND ACRONYMS



OIS	Operational Intercommunication System	OPC	Operation Control Operator Command Console
OISAP	Orbit Insertion Subsystem Oceanographic and Instrumentation Ships Acquisition Project	Opcode	Object code
OIT	Orbiter Integrated Test	OPDS	Operation Phase Data Set
OJT	on-the-job training	OPE	other plant equipment
OL	open loop	OPERA	Opus Program Extended Resources Array (Chevaline)
OLE	object linking and embedding	OPF	Orbiter Processing Facility
OLVIMS	On-Line Vehicle Interactive Management System	OPL	Operational Programs Library
O/M	Operator/Maintainer	OPLAN	operation plan
OMB	Office of Management and Budget	OPLF	Orbiter Processing and Landing Facility
OMC	Operations and Maintenance Certification Operator's and Maintainer's Concept Document	OPM	operations message orbit parameter message
OMCA	Orbital Master Control Analyst	opm	operations per minute
OMC/SCP	Orbital MC/SCP	OPNR	operations number
OMC/SCC	Orbital MC/SC console	OPORD	operations order
OMCAC	Orbital Master Control Analyst console	OPR	Office of Primary Responsibility
OMCC	Orbital Master Control console	opr	operator
OMI	Operations and Maintenance Instruction	OPREP	Operations Report
omni	omnidirectional	Ops, OPS	operations
OMR	Orbiter Management Review	OPS/Wx	Operations/Weather
OMS	Orbital Maneuvering System orbiter mechanical simulator	OPSEC	Operations Security
OMS-2	Second Orbital Maneuvering System Burn	OPSR	Operations Supervisor
OMSC	orbital master control/system control	opt	optical option
OMSF	Office of Manned Spaceflight Orbital Mission Support function	OPTADS	Operations Tactical Data System
OMT	ortho-mode transducer	OPTAR	outdoor photothermal aging reactor
OMTN	other military teletypewriter network	OPUS	operational program for updated sensors
OMTU	Organizational Maintenance Training Unit (PAFB)	OQ	Operator Qualification
OMV	orbital maneuvering vehicle	OQE	objective quality evidence
ONR	Office of Naval Research	OR	computer logic element operational requirement Operations Requirements (document)
OO	Operations Officer	ORA	Operations Requirements Annex
OOC	Orbital Operations Center	ORB	orbit orbital orbiter
OODEP	Owners, Officers, Directors, or Executive Personnel	ORD	Operational Requirements Document Orbital Requirements Document
OP	operation	ORE	ordnance Operations Requirements Extract (document)
Op/Act	Operation/Activity	ORG	organization
Op/Cal	Operability/Calibration	orien	orientation
OP/T	optical track	ORIG	original originator
OP CEN	Operations Center	ORO	on request only
Op Dir	Operations Directive	ORR	Operational Readiness Report Operational Readiness Review (GSFC)
OP INIT	operator initials		
OPAMP	operational amplifier		
OPBS	orbiter payload bay simulator		



ABBREVIATIONS AND ACRONYMS

	Orroval Ground Network Station (3-letter designator)	OSSC	Operations Support Squadron Commander
	Orroval Valley, Australia (GSFC STDN station)	OSSE	oriented scintillation spectrometer experiment (Gamma Ray Observatory)
ORT	Operational Readiness Test	OSSN	Operation Serial Sequence Number
ORTP	orbital real-time	OSTA	Operational Support to Acquisition
ORTPE	Orbital Real Time Processor	OSTC	Observatory System Testing Com- plex (Gamma Ray Observatory)
	Orbital Real Time Processing Element	OSTDS	Office of Space Tracking and Data Systems
ORU	Office Repeater Unit	OT	on time
	Operational Repair Unit		on track
ORV	Organic Repair Unit		operational training
OS	ocean range vessel		overtime
	Operating System	OT&E	Operational Test and Evaluation
	Orbital specialist	OTA	orbit time adjust
	overseas		Ordnance Transmission Assembly
OSC	On-scene Commander	OTB	Overberg Test Range
	Operations Schedule Control	OTC	Officer in Tactical Command
	Operations Support console		Orbiter Test Conductor
	Operations Support Control		Optical Tracker Central Computer
	Orbital Sciences Corporation	OTCC	Orbiter Test Director
	Orbital System Controller	OTD	operational telephone element
	oscillation	OTE	Over-the-Horizon Backscatter
	oscillator	OTHB	Over-the-Horizon Radar
	oscilloscope	OTHR	Overseas Telecommunications Inc.
	overhead stowage container	OTI	on-time launch
OSCC	Orbital System Controller console	OTL	Operational Test Launch
OSCP	On-Scene Control Point		out to lunch
OSCS	Optical Site Computer System	OTN	Optical Tracking Networks
OSCU	Optic System Control Unit	OTP	Office of Telecommunications Policy
OSDCG	On-Scene Disaster Control Group		Optical Tracker Processor
OSDP	Operational Systems Development Program	OTS	Oakhanger Telemetry Control Station
OSE	officer scheduling the exercise		off-the-shelf
	Operations Support element		Orbital Transfer System
	Operations Support Engineer	OTSS	Operational Telecommunications Switching System
OSF	Operations Support function		Operational Test Support Unit
OSHA	Occupational Safety and Health Administration	OTSU	Operational Test Support Unit Two
OSI	open systems interconnect	OTSU-2	Output Terminal Unit (MDM de- multiplexer channel)
OSM	Operations Safety Manager	OTU	rack with 2 OTU cages (16 channels)
OSMC	Operations Safety Manager's Console	OTU DBL	rack with 1 OTU cage (8 channels)
OSMV	one-shot multivibrator	OTV	operational television
OSO	Orbiting Solar Observatory (GSFC/Ball Bros)		orbital transfer vehicle
OSR	Operation Schedule Request	OUCH	off-line universal command history
	Operations Support Room (NASA)	OUE	operational utility evaluation
OSRI	originating station routing indicator	OUTERM	output terminator
OSRO	Operations Support Requirements Office (NASA)	OV	orbiter vehicle
OSS	Operations Support Squadron		orbiting vehicle
	Orbiting Space Station (NASA)		

ABBREVIATIONS AND ACRONYMS

O

OV-10	aircraft type (first character in abbreviation is alphabet letter, not zero; stands for “Observation”)
oz	ounce(s)

P

ABBREVIATIONS AND ACRONYMS

P	parity	PACCS	Post Attack Command and Control System
	patch	PACE	programmable aerospace control equipment
	peak	PACM	pulse-amplitude code modulation
	pico (prefix, one-trillionth)	PACOR	packet data processor
	power	PACT	Profile and Compatibility Test
	precise signal	PAD	playback and display (program)
	precision		Program Approval Document
	predicted	PADD	Photographic Acquisition Disposition Document
	primary		
	protected	PADS	preliminary advisory data specialist
P&C	power and control	PAF	payload attachment fitting
P&CS	Postal & Courier Service (USAF)	PAFB, CO	Peterson Air Force Base, CO
P&E	propellants and explosives	PAFB, FL	Patrick Air Force Base, FL
P&S	Planning & Scheduling	PAGE	programmable aerospace ground equipment
P&SP	Policies and Standard Procedures		
P&W	Pratt & Whitney Aircraft Company	PAIU	Power Amplifier Interface Unit
p, pp	page(s)	PAL	permissive action link
p-p	peak-to-peak		Phase Alternating Line
	point-to-point		programmable array logic
p.m.	afternoon	PAM	payload assist module
P/A	Propulsion/Avionics		perigee assist module
p/h	pulses per hour		pulse-amplitude modulation
P/IP	present/impact position		payload assist module - Delta class
P/L	operational instrumentation	PAM-D	preassigned multiple access
	payload	PAMA	Pad Abort Measuring System
	payload private line (comm)	PAMS	Public Affairs Office (Officer)
	post landing	PAO	precision approach path indicator
p/M	parts per million	PAPI	paragraph(s)
P/M	plus or minus	par.	parametric amplifier
p/min	pulses per minute	para	parameter
P/N	part number	param	parametric amplifier
	pseudo-noise	P'AMP	Perimeter Acquisition Radar Attack Characterization System
P/O	part of	PARCS	
P/P	point-to-point	paren	parenthesis(es)
P/S	parallel-to-serial	PAS	Payload Adapter System
p/s	pulses per second	PASS	Primary Avionics System Software
P2I	Planned Production Improvement		Project Operations Control Center
P3	US Navy aircraft		Applications Software Support
P3I	Pre-planned Product Improvement	PAT	Patrick Air Force Base (3-letter designator)
PA	45 SW Public Affairs		Portable Antenna Telemetry (system)
	Picatinny Arsenal		Problem Anomaly Team
	position analyzer		Process Action Team
	power amplifier		postflight attitude and trajectory history
	Public Address (system)	PATH	
	Public Affairs	PAWS	Public Aural Warning Systems
Pa	pascal(s)	PAX	physical address extension
PA M	associated PA	pax	passenger(s)
PA N	nonassociated PA		private automatic exchange
PA/AW	Public Address/Aural Warning	PB	Playalinda Beach
PAB	Payload Assembly Building		playback
PABX	private access branch exchange		plotting board
	private automatic branch exchange		
PAC	power and control		
PACBAR	Pacific Barrier		

P

ABBREVIATIONS AND ACRONYMS

	powered flight beacon	PCR	Payload Changeout Room
	program block		peak cell rate
pb	playback		Program Change Request
PB4	parallel binary-4 time code	PCS	Peripheral Communications System
PBCS	Post Boost Control System	PCS	permanent change of station
PBF	payload block formatter		Portable Control Station
PBI	program bus interface		Project Control System
	push-button indicator	PCESP	Program Communications-Elec- tronics Support Program
PBT	polynomial buffer terminal	PCSG	Property Control System Guidelines
PBV	postboost vehicle	PCSP	Property Control System Procedure
PBW	proportional bandwidth	PCST	Property Control System Tools
PBX	private branch exchange	pct.	percent ("% preferred)
	public switched	PCTC	Payload Crew Training Complex
PC	personal computer	PCU	Power Control Unit
	printer circuit	PCZ	physical control zone
	Project Central (KSC/GFC Reps., ROCC)	PD	Planning Document
	Property Control		Power divider
	pulse compression		Program Director
PC/AT	IBM trademark for a computer terminal model	PDA	Personal Data Assistant
PCA	Physical Condition Audit		Personal Digital Assistant
	Physical Configuration Audit	PDA Van	Pershing Data Analysis Van
	point (of) closest approach	PDB	power distribution box
	Printed Circuit Assembly	PDC	Program Development Center (GSFC)
PCAN	Port Canaveral	PDCM	pulse-duration code modulation
PCB	polychlorinated biphenyl	PDD	priority delivery date
	printed-circuit board		programmable data distribution
PCB A	Printed Circuit Board A	PDF	Patrick AFB Duty Forecaster
PCC	Photo Control console		payload data formatter
	Platoon Control Central		probability density function
	Power Control console		Project Development File
	Processing Control Center	PDFP	Power Distribution Fuse Panel
PCCP	Patrick Consolidated Command Post	PDI	payload data interleaver
PCD	power converter and distributor		Plumbing and Drainage Institute
	Program Control Document	PDIS	payload data interleaver serializer
PCF	Payload Control Facility		Payload Data Interleaver Subsystem
	Program Control Form	PDL	Ponce De Leon Station (3-letter designator)
PCHA	preclean and hydrostat area		program design language
PCI	peripheral component interchange	PDM	Product Data Management
	Portland Concrete Institute		Product Data Manager
PCL	Personnel (Security) Clearance Letter		pulse-duration modulation
PCM	parametric cost model	PDN	public data network
	Program Configuration Manager	PDP	Preliminary Definition Plan
	pulse-code modulation		Program Decision Package
	pulse-code modulator		Program Development Plan
PCMMU	Pulse-Code Modulation Master Unit		programmable display push-button
PCMR	PC Monitor/Recorder		UNIVAC computer designator
PCM/TDM	pulse-code modulation/time division		Project Development Plan
PCN	Procedure Change Notice		programmable display push-button legend editor
	Program Certification Notice	PDPE	
	Program Change Notice	PDPF	Packet Data Processing Facility
PCO	Procurement Contracting Officer		
PCP	Power Control Panel		

P

ABBREVIATIONS AND ACRONYMS

PDR	precision depth recorder Preliminary Design Review processed-data recorder	pfs	percent full scale
PDRS	Payload Development and Retrieval System	PGA	programmable gate arrays
PDS	Planning Documentation Services Product Document Services Projection Display System	PGD	Planning Guidance document
PDU	Power Distribution Unit Pyro Driver Unit	PGE	powered ground equipment
PDV	peak detected video	PGHM	payload ground handling mechanism
PE	parallel enable performance evaluation plant equipment Project Engineer	PGI	Palisades Geophysical Institute
PEARL	Prime-Mission Equipment Advanced Relational Logistics	PGSU	Position Group Switching Unit
PEC	program entry and control (panel)	pH	measure of acidity
PECM	passive electronic countermeasures	PHE	propellant handlers ensemble
PED	payload element developer	PHF	payload handling fixture
PEDC	preliminary estimate of data coverage	PHIGS	Programmers' Hierarchical Inter- active Graphics Standard
PEG	precision encoder gyroscope (ARIS)	PHOTINT	photo intelligence
PEM	performance evaluation missile	PHR	Payload Hazard Report
PEMA	procurement of equipment and missiles	PHSF	Payload Hazardous Servicing Facility
PEP	Payload Experiment Package peak envelope power Performance Enhancement Program polynomial error protection	Pi	Power input
Per	period	PI	Payload Interrogator
PERT	Program Evaluation Review technique		Principal Investigator
PET&S	Performance, Evaluation, Test and Simulation (Contractor)		product improvement
pF	picofarad(s) power factor powered flight	PI/T	Program Introduction (document) parallel interface/timer Programmable interval/timer
PF	protection factor	PIA	peripheral interface adapter
PFB	powered flight beacon (mode of operation)	pibal	pilot balloon
PFD	phase front disturbance	PIC	Personnel Investigations Center
PFECPP	Preflight Expected Coverage Plan Plot		picture
PFDF	payload flight data file	PICS	pyro initiate change Protocol Implementation
PFM	pulse-frequency modulation		Conformance Statement
PFMR	Project Fund Manager's Report	PID	point interface device
PFN	pulse-forming network	PIDS	Pass and Identification Section
PFP	programmable functional panel		Prime Item Development Specifi- cation
PFR	precision fathometer recorder	PIF	Payload Integration Facility
PFS	powered flight skin (mode of operation) primary frequency standard	PIGOR	Patrick (AFB) Intercept Ground Optical Recording (system)
		PILS	Portable Impact Location System
		PIMS	Project Information Management System
		PIN	personal identification number
		PIND	particle impact noise detection
		PIO	parallel input/output Public Information Officer
		PIOC	parallel input/output channel
		PIP	Payload Integration Plan Performance Instrumentation Package
			Product Improvement Program
			Project Implementation Plan
		PIPAS	Pulse Integrated Pendulous Accel- erometer System
		PIPR	plant-in-place record
		PIR	passive infrared
		PIU	Payload Interface Unit

ABBREVIATIONS AND ACRONYMS P

PIV	Pedestal Interface Unit	PMEL/P	Precision Measurement Equipment Laboratory/Physical
PIX-2	personal identification verifier	PMI	Preventive Maintenance Inspection
PIXIT	plasma interactions experiment		programmable modem interface
	Protocol Implementation Extra Information for Testing	PMIC	Payload Missions Integration Contractor
PJ	pararescue jumper	PMM	Payload Mission Manager
PJH	PLRS/JTDS hybrid		pulse mode multiplex
PKM	perigee kick-motor	PMO	Program-Mission-Operation
PL	phase line	PMOH	Plant Maintenance and Operations, Houston (TX)
PLA	Plain Language Address	PMP	portable memory programmer
PLAN	Patrick Local Area Network	PM/PSK	Phase Modulation/Phase-shift Keying
PLB	payload bay		preventive maintenance procedure
PLC	post launch coverage (report)	PMR	Pacific Missile Range
PLCP	physical layer convergence protocol		propellant mixture ratio
PLD	Programmable Logic Devices	PMRP	Precious Metals Recovery Program
PLF	payload fairing	PMS	Performance Monitoring System
PLIC	prelaunch instrumentation checkout (computer program)		Program Measurement System
PLL	phase-locked loop	PMSEP	Project Management Shared Experiences Program
	Prescribed Load List	PMSV	Pilot-to-Metro Service System
PLRS	payload launch readiness verification	PMTC	Pacific Missile Test Center (Pt. Mugu, CA)
	Position Location Reporting System	pnl	panel
PLRZ	polarization	PNNI	private network-network interface
PLS	primary landing site	pnt	print
PLSS	Precision Location Strike System	Po	output power in Watts
PLT	pilot	Po	Power output
plt	plot	PO	Payload Officer
PLTD	Payload Test Director		Program Officer
pltg	plotting		Project Office
PLTS	Precision Laser Tracking System		Purchase Order
PLYBK	playback	POB	precision optical bench
PM	payload module		precision optical branch
	peripheral modules	POC	point of contact (person)
	phase modulated	poc	point of contact
	phase modulation	POCC	Payload Operations Control Center
	Program Manager	POD	Payload Operations Director
	Project Manager		port of debarkation
	pulse modulation	POE	port of embarkation
pm	preventive maintenance		port of entry
PMA	preliminary mission analysis	POL	petroleum, oil, and lubricants
	preventive maintenance action		polarization
PMB	performance measurement baseline	POLO	Polar Orbiting Lunar Observatory
PMC	partially mission capable	POM	Program Objective Memorandum
	period measurement count	POP	polar orbiting platform
	premission calibration		Project Operating Plan
PMD	Program Management Directive	POPCC	Polar Orbiting Platform Control Center
PME	precision measuring equipment		
PMEE	prime mission electronic equipment	POPS	Precision Optical Pedestal System
PMEL	Precision Measurement Equipment Laboratory	POR	Preliminary Operations Report
PMEL/E	Precision Measurement Equipment Laboratory/Electrical		power-on reset

P

ABBREVIATIONS AND ACRONYMS

Port	portable	PRDE	Program Requirements Document Extract
PORTS	Preliminary Operations Requirements and Test Support (section)	PRE	Program Requirements Estimate (45 SW document)
POS	position	pre-D	predetection
POS SC	position scale	preamp	preamplifier
POSIP	Portable Shipboard Instrumentation Package	PREP	Preparation, Readiness, and Evaluation Program
POSP	Payload Operations Support Personnel	PREX	preparation for RAID zero cycle input
POST	Power-on Self Test	PRF	pulse-repetition frequency
	program to optimize simulated trajectories	PRI	pulse repetition interval
post-D	post detection	pri	primary
pot	potentiometer		prime
POV	privately owned vehicle		priority
PP	present position	PRIDE	personal responsibility in daily effort
PPA	partially reusable propulsion/avionics module core (vehicle)	PRITAC	Primary Tactical Net
PPB	payload protection bypass	PRN	pseudorandom noise
PPC	present position (display) controller	prob	problem
PPF	Payload Processing Facility (USAF)	PROCC	processor
PPI	plan-position indicator	proc	procedure
PPL	point-to-point link	prog	program
	Preferred Product Lists	PROJ, proj	project
PPLU	Propellant Propulsion Loading Unit	PROM	programmable read-only memory
PPM	Pulse-Position Loading Unit	PROP, prop	propellant
PPMC	JSC identifier for WR MPS-36 Radar at Pillar Pt., CA		propulsion
PPMV	parts per million by volume	PROT	protection
PPMW	parts per million by weight	PRR	pulse-repetition rate
PPNE	PAVE PAWS northeast	PRT	Pre-mission Readiness Test (program)
PPP	Preliminary Programming Proposal		Problem Resolution Team
PPR	prior permission required		pulse-repetition time
pps	points per second	PRTL	powered return-to-launch-site
	pulses per second	PRU	Power Regulation Unit
PPS	precise positioning service	PRV	peak reverse voltage
PPU	Peripheral Processing Unit	PS	Payload Specialist
PQT	Preliminary Qualification Test		personnel strength
PR	pair		power station
	primary zone/area		power supply
	Problem Report		powered (flight) skin
	procurement regulation		Project Support
	Procurement Request		Propulsion Subsystem
	program register		pseudolite
	Program Requirement		pseudosatellite
	Puerto Rico	PS1	Power supply 1
	Purchase Report	PS2	Power supply 2
PRBS	pseudorandom bit sequence	PS3	Power supply 3
PRC	Planning Research Corporation	PSA	Program Statement Analyzer
	predetect recording converter	PSAT	pseudosatellite (M49)
PRCC	Primary Reaction Control Center	PSC	Payload Support Contractor
PRCS	Primary Reaction Control System		Photographic Services Contract
PRD	Program Requirements Document		power supply common

P

ABBREVIATIONS AND ACRONYMS

PSCN	Program Support Communications Network	PTAT	Private Trans Atlantic Cable
PSCSMD	Pad Safety Count Status Message Data	PTB	Pretest Briefing
PSD	phase shift detector	PTC	PAM Test Conductor partial task completion Payload Test Conductor
PSDS	Pad Safety Display Subsystem Pad Safety Display System		pressure thermal controller
PSE	peculiar support equipment Program Support Engineer Program Support Estimate (45 SW document)	PTCR	Pad Terminal Connection Room
PSEUDOJAN	Pseudo Joint Army-Navy-Air Force Procedures	PTCU	Propellant Temperature Conditioning Unit Propellant Temperature Control Unit
PSF	Processing and Staging Facility (SRB) Processing and Storage Facility (ET) Propellant Servicing Facility	PTE	PAM Test Engineer
PSHA	propellant storage and handling area	PTF	Payload Test Facility (space telescope) permission to fire Post-Test File Generator
psi	pounds per square inch ("lb/in ² " preferred)	PTFG	pressure, temperature, humidity
PSIA	pounds per square inch absolute	PTH	Participating Test Organization
PSIG	pounds per square inch gravity	PTO	Pillar Point AFS, 30 SW (3-letter designator)
psig	pounds per square inch gauge	PTP	Power/Test Panel
PSIU	Power and Signal Interface Unit		JSC identifier for WR FPQ-6 C-band Radar at Pillar Pt., CA
PSK	phase-shift keying	PTPS	Propellant Transfer Pressurization System
PSL	Physical Standards Laboratory problem statement language Program Support Library	PTR	Preliminary Test Report Program Trouble Report Program Tracking Report
PSM	Program Support Manager		pattern
PSO	Pad Safety Officer	PTRN	PAM Test Support
PSP	payload signal processor Program Support Plan (document)	PTS	Pneumatic Tube Subsystem power transfer switch Precision Tracking System
PSQ	Personnel Security Questionnaire		Pre-track Signal Recorder
PSR	primary search radar		programmer test station
PSR(D)	Program Support Requirements (document)	PTT	part task trainer part task training push to talk
PSRB	partially reusable solid rocket booster		precise time and time interval
PSS	Pad Safety Supervisor portable spacecraft simulator Premature Separation System Protective Security Service	PTTI	part task training support (element)
PSSC	Pad Safety Supervisor's console	PTTS	Power Transfer Unit
PST	Project Status Tool	PTU	Propellant Transfer Unit
PSTEMD	Pad Safety Titan Ethernet Message Data	PTV	Pathfinder test vehicle
PSTF	Payload Spin Test Facility	PTZ	pan/tilt/zoom
PSU	Propellant Servicing Unit	PU	propellant utilization
PSV	pressure sequence valve	PUB	publication
PSW	process status word	PUI	project-unique identifier
pt	point(s)	PUP	Principal User Processor (component of WSR-88D)
PT	Pad Test (Agency) pilot tone	PV	present value
PT&T	Pacific Telephone and Telegraph	PVA	position, velocity, and acceleration
PTA	point of total assumption	PVC	permanent virtual channel permanent virtual circuit polyvinyl chloride
		PVCC	permanent virtual channel

P

ABBREVIATIONS AND ACRONYMS

	connection
PV DOT	position and velocity deep ocean transponders
PV OR	precision very-high-frequency omnidirectional range
PV PC	permanent virtual path connection
PV T	Preflight Verification Test
PW	pulse width
PW A	printed wiring assemblies Project Work Authorization
PW B	printed wiring board
PW M	pulse-width modulation
pwr	power
PW S	Pad Warning System Performance Work Statement

Q ABBREVIATIONS AND ACRONYMS

Q	quadrature (signal)
	quality
	quarterly
Q-bit	quality bit
Q-D	quantity-distance
QA	Quality Assurance
QADG	Quality Assurance Desk Guide
QAF	Quick Access Facility
QAIR	Quality Assurance Inspection Report
QAM	quadrature amplitude modulation
QAP	Quality Assurance Procedure
QAR	Quality Assurance Representative Quarterly Accuracy Report
QAST	Quality Assurance Service Test
QC	Quality Control
QD	Quality Designee
	quality distance (ordnance term)
QD-5	Quality Designee Procedure 5
QDC	quiet day curve
QDR	Quality Deficiency Report
QE	quadrant elevation
	Quality Engineering
	quantum efficiency
QINMS	quadrupole ion neutral mass spectrometer
QL	quick look
QLAP	Quick-look Analysis Program
QLOR	Quick Look Operation Report
QMR	Qualitative Materiel Requirement
QOS	quality of service
QPL	Qualified Products List
QPSK	Quadrature Phase Shift Keying
QRA	quick reaction alert
QTARP	quick-look trajectory and residual plots (program)
QTI	Quad Termination Interface
qtr	quarter
QTRP	Quick Trajectory Analysis and Residual Plot
QTY	quantity
QUI	Quito, Ecuador (NASA STDN station)

ABBREVIATIONS AND ACRONYMS R

R	Range receive reentry reference marker reimbursable reliability required resistance revision	rad/s RADC RADCAL RADCC RADIAC	radians per second Rome Air Development Center radar calibration Radiological Control Center radiation detection, identification, and computation
R +(day)	number of days after receipt of data at a given ER mainland site	RAE	range, azimuth, elevation Royal Aircraft Establishment
R&D	research and development	RAET	range, azimuth, elevation, time
R&E	receiver and exciter	RAI	Resource Analysts Inc.
R&M	reliability and maintainability	RAID	Radar Acquisition Impact Display Real-time Acquisition and Impact Display
R&RR	range and range rate	RAJPO	Range Applications Joint Project Office
R&S	reconnaissance and surveillance	RAM	random-access memory reliability/availability/maintain- ability
r-c	resistor-capacitor		responsibility assignment matrix
R/A	radar altimeter Requesting Agency	RAMLAS	Range Measurement Laser System
R/B	red/black	RAM/ROM	random-access memory/read-only memory
R/B COEI	red/black Console Operator End Instrument		Range Automated Management System
R/E	receiver/exciter	RAMS	Regional Atmospheric Modeling System
R/H	RUN/HALT (switch)		Remote Abort Measurement System
R/I	range/intensity	RAMTST	RAM Test
R/L	return link RUN/LOCAL (switch)	RANS	Range Squadron
r/min	revolutions per minute	RAPCON	Radar Approach Control Patrick AFB radar approach control
R/O	receive only		Remote Power Amplifier Control Unit
R/S	Range Safety	RAPID	Reservations and Priority Identifi- cation System
R/T	Real Time	RASCAD	Range Safety Control and Display
R/TOS	Real-time Operating System	RASS	Radar Acoustic Sounding System Radio Acoustic Sounding System
R/U	range user (all ranges) (as a general reference) Range User (ER) (as a specific reference)	RATAC	Radar Target Acquisition System
R/W	radio/wire runway	RATG	radiotelegraph
RA	range amplitude Requesting Agency restricted area	RATS	radio automatic theodolite sounder
RAAN	right ascension of ascending node	RATT	radio teletypewriter
RAC	Range Asset Controller remote access controller	RAU	Remote Acquisition Unit
RACC	Remote ARIA Control Center (Wheeler AFB, Hawaii)	RAW	raw data file
racon	radar beacon (AN/FPN-13)	RB	Range base reentry body Roadblock
RACS	Redundant Attitude Control System	RB/S	Range base/ship
RACU	Remote Antenna Control Unit	RBA	Reimbursable Budget Authority
Rad	radiation	RBF	read buffet full
rad	radian(s) radius standard unit of absorbed dose	RBFN	receiver beam-forming network
RADAR, radar	Radio Detection and Ranging	RBS	relay beam sensor
		RC	radar controller Range clock

R ABBREVIATIONS AND ACRONYMS

	Range Contractor		restricted data
	Range Control	RDA	Radar Data Acquisition (component of WSR-88D)
	Range Coordinator	RDAU	Radar Data Analysis Unit
	resistor capacitor	RDCFE	Reimbursable Direct Cost Funding Estimate
	returnable container	RDCS	Reconfiguration Data Collection System
RCA	Radio Corporation of America	RDD	required delivery date
	Range Contractor Authorized Support Card	RDE	Radiation Detection Experiment
RCC	Range Commanders Council (DOD)	RDF	radio direction finder
	Range Control Center		radio direction finding
	Range Countdown Clock		range direction finder
RCC/FTS	Remote Command and Control/ Flight Termination System	RDI	Range Deliverable Increment
RCCF	real-time continuous catastrophic footprint		range deliverable item
red	record		raw data item
rcdr	recorder		receiver/driver interface
rcds	records	RDIT	Rapid Deployment Imagery Terminal
RCE	receiving control equipment	RDOT	recoverable deep ocean transponder
RCEI	Range Communications- Electronics Instruction	RDQ	range date quality
RCG	Radar Control Group Upgrade	RDR, rdr	radar
RCLL	receive long line	RDRCS	Red Digital Range Communications System
	remote control long line		
RCO	Range Control Officer	RDS	Radar Distribution System
	Range Cut-off		Remote Display System
RCOC	Range Communications Operations Center	RDSC	Range Data System Center
RCOP	Radar Command Operating Procedure	RDT&E	research, development, test, and evaluation
RCP	Radar Control Processor	RDU	Remote Data Unit
	right-hand circular polarization	RDY	ready
RCPD	radar controller and post processor	RE	Range Engineer
rcpt	receipt	REB	re-entry body
RCRA	Resource Conservation and Recovery Act	REC	radio-electronic combat
		Recon	reconnaissance
RCS	radar cross-section	RED	classified signals
	Range Control Subsystem	REDARC	Range Engineering, Data Acquisition, and Reduction Contractor
	Reaction Control System		
	Reentry Control System	REDM	Rocket Exhaust Effluent Diffusion Model
RCSCB	receive CSC buffer		
RCSE	repair cycle support element	REED	Rocket Exhaust Effluent Diffusion
	RTS/RVCF control and status equipment	REEDM	Rocket Exhaust Effluent Diffusion Model
RCSOAP	Radar Control Standardized Operation Acquisition Program	ref	reference
RCSU	Radar Control System Upgrade	REINF	reinforce
RCU	Relay Control Unit (Centaur)	rel	relative
	Remote Control Unit	REM	radiation monitoring equipment
rcv	receive		reaction engine module
rcvr	receiver		remarks
rcvy	recovery		remote
RD	receive data		rocket engine module
	Requirements Document (KSC)		

R

ABBREVIATIONS AND ACRONYMS

REMBASS	Remotely Monitored Battlefield Sensor System	RFS/ECM	radio-frequency surveillance/electronic countermeasures
REMS	Registered Equipment Management System	RFTI	reason for turn-in (code)
RENS	Reconnaissance, Electronic Warfare, and Naval Intelligence System	RFU	Radio Frequency Unit
REOF	receiver end of frame	RG	radar graphics
REP	repetition	RGB	red, green, blue (color monitor)
req	required	RGF	Remote Ground Facility
REQ	request	RH	relative humidity
	requirement		right hand
REQRSP	requester's responsibility		right hand polarity
RER	receiver/exciter/ranging	RHA	radiation hardness assurance
RES	reentry system	RHC	right-hand circular
	Request for Engineering Services		remote hardcopy devices
	reset	RHCP	Range Hurricane Command Post
	resident		right-hand circular polarization
RESP	real-time evaluation of site playback	RHD	right-hand digit
Resync	resynchronize	RHI	range-height indicator
RETMA	Radio Electronic Television Manufacturer's Association		range-height intensity
retrans	retransmission	RHU	Radioisotope Heater Unit
rev	review	RHWS	Radiation Hazards Warning System
	revision	RI	Range Instrumentation
	revolution		range-intensity
REX	receiver/exciter		range interval
RF	Range furnished		refractive index
	radio frequency		Rockwell International
	requirements folder	RIA	Range Instrumentation Aircraft
RFA	radio frequency analysis	RIC	Range Instrumentation Conference (Net)
RFC	request for comment		Request for Instrumentation Clarification
RFDC	RF Down Converter	RICS	Range Instrumentation Control System
RFEC	radio frequency equipment controller	RIFCA	redundant inertial flight control assembly
RFEM	Radio Frequency Emission Monitor	RIFI	radio interference field intensity
RFEWG	Radio Frequency Environmental Working Group	RIGS	Radioisotope Thermoelectric Generator System
RFI	radio frequency interference	RIMU	Redundant Inertial Measurement Unit
	representative of a foreign interest		Reentry Inertial Measurement Unit
RFI/EMI	radio frequency interference/electromagnetic interference	RIP	Range Improvement Program
		RIS	Range Instrumentation Ship(s)
RFL	reflected		Receipt, Inspection Shop (building)
RFLG	reflecting		receipt, inspection, storage
RFLY	reusable flyback booster	RISC	reduced instruction set computer
RFLY-ROI	reusable flyback booster-reusable orbiter	RISDEP	Range Instrumentation Ship Department (NAVSEC, Port Hueneme Division)
RFO	reason for outage	RISO	Rocket Impacts on Stratospheric Ozone
RFP	Request for Proposal		Realiability Improvement Warranty
RFR	Radio Frequency Radiation	RIW	Remote Job Entry (Central Computer System)
RFRS	Radio Frequency Repeater System	RJE	
RFQ	Request for Quotation		
RFS	Radio Frequency Subsystem	RJN	Range Job Number

R

ABBREVIATIONS AND ACRONYMS

RLA	repair level analysis	RON	Range Operation Number
RLCU	Remote Launch Control Unit		remain overnight
RLG	Receiver Link Group	ROP	Range Operations (Subsystem)
	ring laser gyro	ROPS	Range Operations Squadron
RLI	Range Launch Interval	ROS	Range Operations Supervisor (30 SW)
rlI	roll		reduced operating status
RLPA	rotatable log-periodic antenna		return of signal
rls	release (message)		Rosman, NC Tracking Station (NASA STDN station)
rls +(h)	number of hours after release from test support	ROSE	rising observation sphere equipment (meteorological balloon)
rm	room	ROSIE	range on-line schedule information exchange
RMA	Range Operations efficiency, reli- ability maintainability and availability	ROSS	Remote Operations Support Systems
RMH	Range Maintenance Handbook	ROTI	recording optical tracking instrument (Melbourne Beach)
RMIS	Remote Multiplexed Instrumentation System	ROTR	receive-only teletype reperforator
RML	Range Measurements Laboratory (defunct)	ROV	remotely operated vehicle
RMOPS	Remote Operations	ROVCS	Range Operational Voice Communication System
RMPM	Range Maintenance Program Manual	RP	Range Planner
RMS	Range Management System	RP-1	rocket propellant No. 1 (Atlas fuel)
	Remote Manipulator System	RPACU	Remote Power Amplifier Control Unit
	Resource Management and Scheduling (CSCI)	RPAIO	Real Property Accountable Installation Officer
rms	root mean square	RPC	Range Planning Center
RMSS	Range Management and Scheduling Subsystem		remote phone converter
	Range Meteorological Sounding System	RPD	requisition priority designator
	Resource Management and Scheduling System	RPDF	range planning and documentation function
rmt	remote	RPG	radar product generator (component of WSR-88D)
RMU	Remote Multiplexer Unit	RPIE	real property installed equipment
Rn	reference noise	RPL	rated power level
RNAD	Royal Navy Assembly Depot	rpm	revolutions per minute
rng	range	RPO	Radiation Protection Officer
RNM	remote network manager		Range Project Officer
RNRZ-L	Random Non-return O Level		Responsible Property Officer
RO	receive only	RPR	Range projects release
ROB	Range Operations Briefing	RPS	radians per second
ROC	Range Operations Center		Range Planning System
	Range Operations Commander		Record/Playback System
	Range Operations Conference (Net)		RMS Planning System
	Remote Operator console	tps	revolutions per second
	required operational capability	RPSAT	remote pseudosatellite
ROCC	Range Operations Control Center	rpt	report
	Regional Operation Control Center	RPV	remotely piloted vehicle
ROD	Raw Operations downlink	RQD	required
ROI	Range Operating Instruction	RQG	Rescue Group
ROM	read-only memory	RQW	Rescue Wing
	rough order-of-magnitude	rqmt	requirement
		RR	Range resources

ABBREVIATIONS AND ACRONYMS R

RR-2	reduced range retroreflector read-only/random access memory 2 RAM/ROM 2	RSCAD	Range Safety Control and Display
RRB	Readiness Review Board	RSCCW	Range Supply Consolidated Com- munications Warehouse
RRC	repairable/recoverable/controlled (item)	RSCDCOM	Range Safety Critical Data Communication
RRF	Regional Response Force	RSCH	Range Scheduling
RRI	receiving report issue Riverside Research Institute	RSCP	Range Safety Chevron Probability
RRR	Range Readiness Review	RSIPT	Range Safety Integrated Product Team
RRS	range rate sum remote ranging station(s) Remote Ranging System	RSCS	Range Scheduling Subsystem
RRU	Regenerative Repeater Unit	RSCSI	Range Scheduling Subsystem Interface
RRUF	Range resource utilization function	RSD	Range Safety Display (element)
RS	radiosonde Range Safety Range Scheduler Range Scheduling range sum rawinsonde remote station Requirements Statement reset/set	RSDCC	RSD Coordinator console
RS4	Range Safety 4	RSCD COM	Range Safety Critical Data Communication
RS - RSC	Range Safety - Range Safety Command	RSDE	Range Safety Display Equipment
RS/RC	Range Safety/Range Control	RSDL	Range Safety Destruct Lines
RS/RCS	Range Safety/Range Control Subsystem	RSD LCL	Range Safety Display Local
RSA	Range Standardization and Auto- mation reference satellite remote station automation	RSDOC	RSD Operator console
RSIIIA	Range Standardization and Automation, Phase 2A	RSDP	Range Safety data processing Range Safety display processing (element)
RSA/ARC	Remote Station Automation/ Automated Range Control		Range Safety Display Processor
RSAC	Range Safety angles combines	RSDS	remote site data processor Range Safety Destruct System Range Safety Display Server Range Safety Display System
RSADMF	RSA/ARC Development and Modification Facility	RSF	Range Scheduling Function
RSAR	Range Safety Atmosphere model	RSIDS	Range Safety Impact Display System
RSAS	Range Safety Advisory System	RSIGB	receive (GIB) signaling buffer
RSAT	Range Safety Atmosphere model	RSIP	Range Safety impact point
RSC	rack stowage container Radar Systems Controller Range Safety Center Range Safety Command/Control Range Safety Conference (Net) Range Statement of Capability Raytheon Service Company RDT&E Support Center	RSK	ready service kit
RSCA	Range Safety Critical Angles	RSOC	Range Safety Officer console
		RSOP	Range Safety Operation
		RSOR	Range Safety Operations Require- ments (document)
		RSP	Radar Site Processor
		RSPF	Range Safety processing function
		RSPL	Recommended Spare Parts List
		RSPOC	Range Safety processing
		RSR	Range Safety Representative
		RSRV	Rawinsonde Batch Reduction Module
		RSS	Range Scheduling System Real-time Scheduling System rotating service structure Retinal Scanning System
		RSSC	Raytheon Support Services Company
		RSSE	Range Safety support element
		RSSP	Range Safety Ship Hit Probability Program

R ABBREVIATIONS AND ACRONYMS

RSSS	Range Safety Surveillance System	RTN	Range Test Number
RSSTI	Range standard serial telemetry interface		Retransmission of Command uplinks (computer I/O routine)
RSTDS	Range Safety Telemetry Display System		return
RSTI	Reentry Ships Teletype Instruction	RTO	radiotelephone operation
RSTPR	Range Safety Trajectory and Performance Report		Real Time Output Module
RSTS	Range Safety template sorts	RTP	Responsible Test Organization
RSV	range surveillance vessel		real-time processing
	ready storage vessel		real-time processor
RSVV	Range Safety Video Van	RTPOC	real-time programmer
RSWC	Range Safety wind check		Real Time Processor Operator console
	Range Safety wind contours	RTS	Rail Transfer System
RSWS	Range Safety weather support		Range tandem switch
RT	radiotelephone		Range Technical Services
	real time (noun); real-time (adj.)		Ready to send
	reperforator transmitter		Real Time Subsystem
	Requirements Team	RTSC	Remote Tracking Station
	Right	RTTDS	Range Technical Services Contract
RTACF	Real Time Auxiliary Computer Facility	RTTY	Real Time Telemetry Data System
		RTTYB	radioteletype
RTC	Range Tasking Center	RTU	receive console buffer
	real-time clock	RTWAPS	Remote Terminal Unit
	Real time command		Real Time Winds Aloft Processing System
	Real Time Command Controller	RTWS	real-time windsonde
	real-time computer	RTZ	return-to-zero
	Range Time Clock	RUC	Resource Utilization Committee
RTC F/W	Real Time Controller Firmware (microcode)	RUDC	Resource Utilization Committee
RTCB	ROTI, Cocoa Beach		Range User Data Coordinator (CCC)
RTCC	Real Time Computer Complex (NASA)		Range User Data Coordinator (RTCS)
RTCF	Real Time Computer Facility	RUF	Range-User furnished
RTCO	Real Time Computer Operator	RUMS	Resource Utilization Management System
RTCOM	Real Time Communication		Range Utilization Measurement System
RTCS	Real Time Computer Systems		
RTCSU	Radar/Telemetry Control System upgrade	RUT	remote utilities terminal
		RUW	reference unique word
RTD	Range time display	RV	recovery vehicle
	real-time display		re-entry vehicle
RTDL	Real Time Data Library	RVM	Requirements Verification Matrix
RTDC	Real-time Data Controller	RVP	Requirements Validation Process
RTDR	real-time data reduction		Radio Video Processor
RTE	real-time executive	RVPS	Radar Video Processing System
RTG	radioisotope thermoelectric generator	RVRPE	radar video recording and playback equipment
RTI	range/time/intensity (video)		
	return from interrupt	RVW	review
RTJS	real-time Jimsphere	RWA	reaction wheel assembly
RTL	run time library	RWF	Range Weather Facility
RTLS	return to launch site		Range Weather Forecaster
RTMB	ROTI, Melbourne Beach	RWG	reference wave generator
RTMS	Real Time Menu System	RWI	radio wire integration
	Real Time Monitor System	RWO	Range Weather Operations
		RWP	Radar Wind Profiler

ABBREVIATIONS AND ACRONYMS **R**

RWR	radar warning receiver
RWS	Range Weather Service
RX	receive
RXC	Receive clock
RXD	Receive data
RXDCLK	Receive clock
RXRTOP	Receive Radar Tracking Operational Program
RZ	return to zero

S

ABBREVIATIONS AND ACRONYMS

S	Secret	SABOD	same as basic OD
	simulation	SABOR	same as basic OR
	South	SABORE	same as basic ORE
	Status	SACCOM	SAC Communications
s	second(s)	SACCS-DPS	SAC Automated Command Control
s ²	second(s) squared		System-Data Processing System
s = n	signal equals noise	SACLOS	semi-automatic, command to line-of-sight
S&A	safe and arm	SACS	Standardized Antenna Control Software
S&A Bldg	Sterilization and Assembly Building	SAD	Systems address (computer I/O routine)
S&MA	Safety and Mission Assurance		Systems Analysis Department
S-band	1500-to-5200 MHz band	SADM	solar array deployment mechanism
S-time	start time	SADOT	Splash-Activated Deep-Ocean Transponder (system)
S/A	Safe/Arm	SAEF	Safe and Arm Explosive Facility
S/C	spacecraft		Spacecraft Assembly and Encapsulation Facility
	subcable	SAFB	Schriever Air Force Base (Colorado)
S/D	shutdown	SAGE	semi-automatic ground equipment
	synchro-to-digital	SAIC	Science Applications International Corporation
S/MM-X	Shuttle/MIR Mission (3, 4, 5 and 6)	SAIL	Shuttle Avionics Integration Laboratory (JSC)
S/N	serial number	SAM	surface-to-air missile
	signal-to-noise ratio		System Administration Manager
	stock number	SAM-D	surface-to-air missile development
S/O	shipping order	SAMS	Ships Attitude Measuring System
	shutoff	SAMSO	Space and Missile Systems Organization
S/R	stockroom	SAMTO	Space and Missile Test Organization
s/s	samples per second	SAO	Security Assistance Office
S/S	ship-to-shore		Smithsonian Astrophysical Observatory
	signal strength		surface airways observations
	subsystem	SAP	Special Access Program
S/SDD	System/Segment Design Document	SAR	search and rescue
S/U	stub-up		segmentation and reassembly
S/W	software	SARAH	synthetic aperture radar
SA/BM	systems analysis/battle management		search and rescue and homing (system or equipment)
	systems architectures/battle management	SARAH Lite	Standard Automation Remote to AUTODIN Host Lite (software application)
SA	selective availability	SARF	sea air rescue forecast
	single access	SARMS	Synthetic-Aperture Radar Measuring System
	spectrum analyzer	SAS	segment arrival storage (area)
	STAR Administrator		sensor array subsystem
	status advice		sun aspect sensors
	Supplemental Agreement	SASM	Staff Agency Security Manager
	Support Agency	SAT	satellite
	System Administrator		
	Systems Analysis		
SAA	System Access Authorization		
SAAM	special assignment airlift mission		
SAB	same as basic		
	Satellite Assembly Building (CCAFS)		
	Spacecraft Assembly Building		
SAB-A,	Satellite Assembly Building Annex		
SAB AX			

ABBREVIATIONS AND ACRONYMS S

	Satellite Alert Team	SCAP	Shuttle Configuration Analysis Program
	Site Acceptance Test	SCAPE	self-contained atmospheric protective ensemble
SATCOM	Satellite Communications	SCAR	Strike Control and Reconnaissance
SATCOMA	Satellite Communications Agency	SCC	Satellite Control Center
SATE	Security Awareness Training and Education		Spacecraft Control Center
SATKA	surveillance, acquisition, tracking, and kill assessment		Supervisory Control Conference (Net)
SATO	Scheduled Airline Traffic Office		System Controller console
SATRACK	Satellite Tracking (systems) (part of FTSS)	SCCB	Software Change Control Board
SAV	Staff Assistant visit	SCD	supervisory control data
SAW	squad automatic weapon		Surveillance Control Display
SAWG	Site Activation Working Group		system correlation drawing
SAX	X-ray Satellite (Italian)		Systems Capability Document
SB	space based	SCDC	Surveillance Control Display console
	standby		Surveillance Control Display processor
	straight binary	SCDP	Surveillance Control Display System
SBA	Small Business Administration	SCDS	Surveillance Control Display System
SBASI	Single Bridgwire Apollo Standard Initiator	SCE	Spacecraft Command Encoder
SBC	single-board computer	SCF	Satellite Control Facility (Sunnyvale, CA)
	subbit code (computer I/O routine)		Safety Control function
SBI	space-based interceptor		sequenced compatibility firing
SBiop	Single Bus Input/Output Processor	scf	standard cubic foot (feet)
SBIR	Small Business Innovative Research	SCFT	spacecraft firing
SBIT	status bit(s)	SCG	Security Classification Guide
SBM	spin balance machine	sched	scheduled
SBP	site-based processor	SCI	SCI Systems, Inc.
SBR	S-band receiver		sensitive compartmented information
	space-based radar		serial communication interface
SBS	source beam sensor		Site Concurrence Letter
	standby status	SCL	NASCOM Shift Communications Manager
	straight binary seconds	SCM	site configuration message
SBSS	Standard Base Supply System		Software Configuration Management
SC	45 SW Communications	SCMP	Software Configuration Management Plan
	sensitive critical	SCN	Satellite Control Network
	site clock		Space Control Network
	source code		Specification Change Notice
	Space Center	SCO	Safety Control Officer
	spacecraft		subcarrier oscillator
	Statement of Capability (document)	SCOA	Surveillance Control Officer
	subcable		Small Computer/Office Automation (office)
	supervisory control	scope	oscilloscope
	switch controller	SCOTT	single-channel objective tactical terminal
	System Controller		secure communications processor
SCA	sequence control assembly	SCP	
	Service Contract Act		
	Shuttle carrier aircraft		
	Simulation Control Area		
	Southern Communications Area		
SCAD	security audit		
SCAMA	switching, conferencing, and monitoring arrangement		

S ABBREVIATIONS AND ACRONYMS

	Secure Conferencing Project	SDHS	Satellite Data Handling System
	Software Control Plan	SDI	Satellite Data Interface
	solar cell panel		Space Defense Initiative
	Surveillance Control Processing		Steel Deck Institute
SCPB	single channel per burst		Strategic Defense Initiative
SCPC	single channel per carrier	SDIF	Software Development and Inte-
SCR	serial clock receive		gration Facility
	silicon-controlled rectifier	SDIO	Strategic Defense Initiative Office
	stripchart recorder		Strategic Defense Initiative
	sustainable cell rate		Organization
SCRAM	station crew return alternative module	SDL	Software Development Library
SCS	Satellite Constellation Simulator		Sutron Data Language
	Security Control Subsystem (SE)		Systems Development Laboratories
	Security Control System	SDOC	Space Defense Operations Center
	Stabilization and Control System	SDOCC	Surveillance Display and Opera-
	(subsystem)		tions Control Center
SCSI		SDP	Shuttle data processor
	small computer standard interface		Software Development Plan
	small computer system interface	SDPC	Shuttle Data Processing Complex
SCT	serial clock transmit		(JSC)
SCTE	serial clock transmit external		Shuttle data processing computer
SCU	Secure Communications Unit	SDR	Software Deviation Request
	Sequence Control Unit		Space Division Regulation
	Signal Conditioning Unit		System Design Review
	System Control Unit	SDRL	Subcontract Data Requirements List
SCU M	Associated (mated) SCU	SDS	secure digital switch
SCU N	Nonassociated (unmated) SCU		secure distribution switch
SD	send data		Strategic Defense System
	Space Division (AFSC)		System Design Specification
	Space Division (Rockwell)	SDSS	Satellite Data Support System
	standard deviation	SDT	serial decimal time
	systems designator		signature data tape
SDB	small disadvantaged business		structural data transfer
SDC	Software Development Committee	SDTL	System Development and Test
	Space Data Corporation		Laboratory
	Space Defense Center	SDTS	Standard Digital Transport System
	Synchro/digital converter	SDU	Signal Distribution Unit
SDCC	Surveillance Display, Control, and		Spectrum Display Unit
	Communications	SDV	Shuttle-derived vehicle
SDCE	SCSI disk controller	SDW	special development warhead
SDCS	SAIL Data Communications System	SE	Safety Office
	Station Data Collection Subsystem		Southeast
SDD	signal data demodulator (ARIA)		strobe enable
	Software Design Document		support element (CSOC)
	System Design Document		support equipment
SDDD	Software Detailed Design		Systems Engineer
	Document	SEA	significant event assignment
SDDS	Signal Data Demodulation System	SEATO	Southeast Asia Treaty Organization
SDEC	Software Development Estimation	SEC	Securities and Exchange Commission
	checklist		Security
SDF	software development file	sec	seconds (s preferred)
SDFX	Space Disturbance Forecast Center		Separation Equipment Controller
SDG	Software Development Guideline		Space Environment console (MCC)
	Supply Desk Guide	SEC CAM	(Thrust) Section Camera

ABBREVIATIONS AND ACRONYMS S

SECB	Security Entry Control Building	SFID	subframe identification
SECO	second stage engine cutoff sustainer engine cutoff	SFOC	Shuttle Flight Operations Contractor
SECO-1	first second-stage engine cutoff	SFRD	Secret Formerly Restricted Data
SECOM	Secure Command (unit)	SFTS	Secure Flight Termination System
SEDACS	Schedule Data and Communication System	SGLS	Space/Ground Launch System Space/Ground Link System
SEDS	Students for the Exploration and Development of Space	SGS	Script Generation System Space Gateway Support
SEED	safe eye exposure distance	Shab	Spacehab
SEERSP	see response (for further infor- mation)	SHCI	storable horizon crossing indicators
SEF	synthetic estimation filter	SHF	super high frequency (3-30 GHz)
SEG	segment	SHORADS	Short Range Air Defense System
SEGP	single earth ground point	SHORAN	Short Range Navigation (system)
SEI	Software Engineering Institute Space Exploration Initiative	SHPO	State Historic Preservation Office(r)
SEL	selected	sht	sheet
	System Engineering Laboratories	SHTB	South Harbor Terminal Building
SELV	small expendable launch vehicle	SI	shift in Smithsonian Institution
SEM	Space Environmental monitor spacecraft equipment module		Systeme International d'Unites
SEMP	Systems Engineering Management Plan	SIB	Stacking and Integration Building
SENTRY	Air Force E-2(1) Airborne Warning and Control System (AWACS)	SIC	South Integration Cell (SPIF) spacecraft identification code station identification code support identification code
SEO	Air Force Range Safety Flight Analysis Office	SICBM	small ICBM
SEP	separation	SID	simulation interface device Standard Interface Document sudden ionospheric disturbance
SEPG	Software Engineering Process Group	SIDS	Shoreline Intrusion Detection System
seq	sequence(r)	sig	signal
SER	single experiment rack Systems Evaluation Report	SIG PLT CP	Signal Platoon Command Post
SERV	Servo	SIGCEN	Signal Center
SES	Air Force Systems Safety Office Security Enhancement Service Support Equipment Supervisor	SIGINT	signal intelligence
	Space Environmental Support System	Sigma	Standard deviation (statistical)
SESS	Single Event Site Status Report	SIGSEC	signal security
SET	significant event time	SIIRS	SATRACK II Recording System
SETP	System Evaluation Test Plan	SILS	Ship Impact-Location System
SEU	single event upset	sim	simulation
SEVMS	Security Enhanced Virtual Memory System	SIM	Switch Interface Module
SF	single frequency (2600 Hz) superframe Support Function	SIMD	single instruction, multiple data
SFC	Satellite Control Facility (Air Force) Spaceport Florida Authority	SIMM	Single In-Line Memory Module
sfc	surface	SIMO	simultaneous local oscillator
SFCO	Senior Flight Control Officer	sin	sine
SFE	smart front end	SINCGARS	Single-Channel Ground and Air- borne Radio System
		SINS	Ship Inertial Navigation System
		SIOP	Single Integrated Operational Plan
		SIP	Standard Interface Packet standard interface panel
		SIR	Software Improvement Report
		SIRIO	Satellite Italiano de Ricerca Indus- trial Operation

S

ABBREVIATIONS AND ACRONYMS

SIS	Software Impact Survey	SLS	secondary landing site
SISR	Support (Room) Instrumentation Superintendent, Range Operations		Space Launch Squadron
SIT	Shuttle Integrated Test Shuttle Interface Test silicon intensified tube situation	SLS OB	Space Life Sciences (Laboratory) Space Launch Squadron Operations Building
SITREP	Situation Report	SLTP	simulated launch test payload
SITSF	SLRS Integration Test and Sustainment Facility	SLU	Serial Line (interface) Unit
SIU	Serial Interface Unit Servo Inverter Unit Signal Interface Unit Subsystem Interface Unit	SLUK	Spacelab utility kit
SJA	Staff Judge Advocate	SLV	space launch vehicle
SJH	St. John's Harbour		standard launch vehicle
SJI	Steel Joist Institute	SLV 1	Slave 1
SK	session key	SLV 2	Slave 2
SKED	scheduling	SM	scheduled maintenance secondary mirror Service Mission (1, 2) Ship's Manager Shuttle Management (KSC) single mode (fiber optic) Station Manager submissile surface missile System Management Secure Monitor Assembly special mission aircraft subminiature type of coaxial connector
SKIRT	Shuttle Kinetic Infrared Test		
SKN	skin	SMA	
SKOR	Shuttle Kalman optimum reset		
SKR	Serial Key Generator Recombiner		
SL	secondary location Spacelab supply location switch location	SMAB	Solid Motor Assembly Building (CCAFS)
SL&T	single-line and trunk	SMACNA	Sheet Metal & Air Conditioning Contractors' National Associ- ation, Inc.
SLA	spacecraft/LM adapter		
SLAMMR	side-looking airborne multimission radar	SMARF	Solid Motor Assembly and Readiness Facility
SLANT	Slaving Antenna Systems	SMC	Space and Missile Systems Center (USAF)
SLAR	side-looking airborne radar	SMC/CWP	Space and Missile Systems Center
SLB	Shuttle limits bypass sidelobe blanking Spacecraft limits bypass	SMCC	Ship's (Shuttle) Mission Control Center
SLBM	sea launched ballistic missile submarine launched ballistic missile	SMCH	standard mixed cargo harness
SLC	Space Launch Complex	SMD	standard military drawing
SLCC	Space Launch Commander		System Mission Demonstration
SLCSC	sub-level computer software component	SMDS	Switched Multi-Megabit Digital Services
SLCSAT	Submarine Laser Communications Satellite	SMF	Software Maintenance Facility System Manager function
SLF	Shuttle Landing Facility	SMFCO	Senior Mission Flight Control Officer
SLIC	Satellite Link Check		
SLIP	Serial Line Internet Protocol	SMFO	single mode fiber optic
SLKT	Survivability, Lethality, and Key Technologies (program)	SMG	Spacecraft Meteorology Group
SLO	Space Lift Operations	SMILS	Sonobuoy Missile Impact Location System
SLRS	Spacelift Range System/Support	SMIT	System Management Interface Tool
SLRSC	Spacelift Range Services Contract Spacelift Range System Contract	SMM	solar maximum mission

ABBREVIATIONS AND ACRONYMS S

SMMF	Software Management and Maintenance Facility	SOD	site-originated data
SMO	Supply Management Office	SODAR	Sound Detection and Ranging
smp	sample	SOF	Systems Operation File
SMP	Switch Maintenance Panel	sofar	sound fixing and ranging (technique or equipment)
SMPA	Solid Motor Processing Area	SOHO	Solar Heliospheric Observatory
SMPTE	Society of Motion Picture and Television Engineers		Solar Heliocentric Orbiter
SMS	Shuttle mission simulator	SOI	signal of interest
	signal monitor switching		Space Object Identification
SMT	Sequence Malfunction Test	SOIC	Security Officer in Charge
	Shelter Management Team	SOJT	supervised on-the-job-training
SMTP	Simple Mail Transfer Protocol	SOL	Scheduled Operations List
	Smithsonian Meteorological Tables	SOM	Ship's Operations Manager
SN	station number		Standard Operating Manual
SNA	Systems Network Architecture		start of message
SND	stock number directory	SON	Statement of Need
SNFC	JSC identifier for NAWC FPS-16 C-band Radar (SN-13) at San Nicolas Is., CA	SONAR	Sound Navigation and Ranging (technique or equipment)
SNI	San Nicolas Island (DOD station, CA)	SONET	synchronous optical network
SNIC	JSC identifier for NAWC FPS-16 C-band Radar (SN-7) at San Nicolas Is., CA	SOO	Ship of Opportunity
SNLA	Sandia National Laboratories, Albuquerque	SOP	Safety Operating Plan
SNMP	simple network management protocol		Standard Operating Procedure
SNOI	signal not of interest	SOPC	Shuttle Operation Processing Center
SNOR	simple NOR circuit		Shuttle Operations and Planning Complex
SNR	Signal-to-noise ratio	SOPM	Standard Orbital Parameter Message
SNSC	JSC identifier for NAWC FPS-16 C-band Radar (SN-15) at San Nicolas Is., CA	SOSUS	Sound Underwater Surveillance (system)
SNSS	Shuttle Network Simulation System	SOURLIB	Source Library
SNUD	Stock Number User Directory	SOV	shut-off valve
SO	Safety Office	SOW	Statement of Work
	shift out	sp	spare
	Simulation Operator	SP	safety plans
	South ("S" preferred)		Security Police
SOAP	Spectromatic Oil Analysis Process		set point
SOAS	Shuttle Orbiter Arresting System	SPAC	space bar
SOC	Satellite Operations Complex		serial processor
	Simulated Operations Controller		Signal Processing and Conditioning (system)
	Space Operations Center	SPACEHAB	signal programmer and conditioner
	Spacecraft Operations Control		commercial experiments conducted in a man-tended environment
	start of count	SPADATS	Space Detection and Tracking System
	Statement of Capability	SPADOC	Space Defense Operations Center (CO)
	Support Operations Center	SPAH	Spacelab Payload Accommodation Handbook
	System Operator Console	SPALT	Special Projects Alteration
SOCVU	System Oxidizer Control Valve Utility	SPALTS	Strategic System Project Alteration
			Ships Programmed Alteration Support

S

ABBREVIATIONS AND ACRONYMS

SPAM	serial processor for acquiring messages		Spacecraft Processing and Integration Facility
SPAMS	Ship Position and Attitude Measuring System		Special Payload Integrated Facility
SPAN	Solar Particle Alert Network	SPIU	Satellite Processor Interface Unit
SPARC	Single Point Acquisition and Radar Control	SPL	sound pressure level
SPARCC	SPARC console	SPM	Spare Parts List
SPARCD	SPARC display		settable phase modulator
SPARCF	SPARC function		software programmer's manual
SPARCP	SPARC processing	SPO	Spacelab Project Office
SPARC-RG	SPARC radar graphics		Special Project Office
SPARC-RGC	SPARC radar graphics console		Sub-Program Office
SPARC-RGP	SPARC radar graphics processor	SPOC	Systems Program Office
SPARC-SC	SPARC switch controller	SPOF	Security Police Operations Center
SPARC-SCC	SPARC switch control console	SPP	single-point-of-failure
SPARC-SCP	SPARC switch control processor		Naval Ordnance Test Unit
SPAS	Shuttle Pallet Satellite		Special Projects Processing
SPASORFEUS	Shuttle Pallet Satellite-Orbiting Retrievable Far and Extreme	SPPF	Strategic Projects (PAFB)
SPAWAR	Space and Naval Warfare System Command		Standard Practice Procedure
SPBO	surveillance plotting board operator		Spacehab Payload Processing Facility
SPC	single payload carrier	SPPO	Spacelab Payload Project Office
	small peripheral controller	SPR	Software Problem Report
	Special Projects/CORDIAL		System Performance Report
SPCC	Special Projects Coordinator console	SPS	Samples Per Second
SPCR	Software Problem/Change Request		Service Propulsion System
SPD	Special Projects Display		Software Product Specification
	System Program Director		Spectrum Planning Subcommittee (IRAC)
SPDC	Special Projects Display console	SPSA	Standard Positioning Service
SPDCC	Special Projects Display CORDIAL console	SPSD	Solid Propellant Storage Area
SPDGC	Special Projects Display Graphics console	spst	single-port synchronous data (GIB)
SPDP	Special Projects Display processor	SPT	single-pole single-throw
SPDS	Special Projects Display System	spt	Subsystem Performance Test
SPE	special message	SPTB	support
	Special Project Engineer	SPVPF	South Port Terminal Building
	static phase error		Shuttle Payload Vertical Processing Facility
spec	specification(s)	SPW/G	Space Parts Working Group
SPECAT	special category	SPWR	Space Wing Regulation
SPEGL	Short-term Public Exposure Guidance Limit	SPX	simplex
SPF	SATRACK (Spacelab) Processing Facility	SQ	squadron
	Software Productions Facility	sq ft	square feet
SPG	System Protection Guide	SQDN	squadron
SPGC	Special Projects Graphics console	SQL	Standard Query Language
SPHQ	Security Police Headquarters	SQPN	staggered quadrature pseudorandom noise
SPI	Standard Practice Instruction		square root
SPIF	Satellite Payload Integrated Facility	sqrt	short range
	Shuttle Payload Integration Facility	SR	Support Request
			System Requirements
		SRA	same remarks apply
			Space Radiation Analyst
		SRAG	Space Radiation Analysis Group
		SRAM	scattered random-access memory

ABBREVIATIONS AND ACRONYMS S

	short-range attack missile		stainless steel
	static random-access memory		subsystem
SRB	solid rocket booster		switching subsystem
	Systems Readiness Board		system safety (element)
	Systems Review Board		system specification
SRB/RDF	Solid Rocket Booster/Recovery and Disassembly Facility	SSA	S-band single access
SRBAB	SRB Assembly Building	SSB	Source Selection Authority
SRBDF	SRB Disassembly Facility	SSBN	single sideband
SRC	source		Fleet Ballistic Missile Submarine
	stock record card	SSC	Safety Support consoles
	Survival Recovery Center		Safety Support Contract
SRCIF	Short Range Consolidated Instrumentation Facility		Science Support Center
SRD	Secret Restricted Data	SSD	Space Surveillance Center
	spin ripple damper	SSDA	site status data
	Standard Reporting Designator	SSDD	serial synchronous data adapter
SRE	satellite receive element	SSDS	System/Segment Design Document
SRF	Service Response Force	SSE	Space Station Data System
	Shuttle Refurbishment Facility	SSEC	space support equipment
	Software Release Form		Space Science and Engineering Center
	system recording file		Space Sciences Environmental Center
SRHIT	small radar homing intercept technology	SSED	safe skin exposure distance
SRIP	Security Requirements Implemen- tation Plan	SSER	Solar System Exploration Division
SRL	Space Radar Laboratory	SSF	South Support Equipment Room
	Support Requirements Letter		Safety Support Function
SRM	solid rocket motor		Software Support Facility
SRMS	solid rocket motor set	SSG	SRB Storage Facility
SRMU	solid rocket motor upgrade		Shuttle Support Group
SRN	Systems Readiness Notice		Space Support Group
SRO	security response option	SSH	Standard Systems Group
	Superintendent, Range Operations	SSHI	Software Systems Handbook
SRP	Software Review Package		Software Systems Handbook Instructions
SRQ	service request	SSI	Service Supply Issue
SRR	Software Requirements Review		Space Studies Institute
	System Requirements Review	SSIG	second stage ignition
SRRB	Software Readiness Review Board	SSIO	Spacelab engineering data designator
SRS	Segment Ready Storage (building)	SSLS	Standard Space Launch System
	Software Requirements Specifi- cation	SSLV	standard space launch vehicle
SRSF	SRB Receiving and Subassembly Facility	SSM	site status message
		SSME	Space Shuttle main engine
SRSO	Senior Range Safety Officer	SSN	Social Security Number
SRT	Satellite Readiness Test		Space Surveillance Network
	standard remote terminal	SSO	station serial number
	Station Readiness Test		Space Shuttle orbiter
	supporting research technology		Special Security Office
SRTS	short-range thermal sight		Surface Surveillance Operator
	synchronous residual time stamp		System Security Officer
SRW	Strategic Reconnaissance Wing		System Shakedown Operation
SRWBR	short-range wideband radio	SSOCC	Space Station Operations Control Center
SS	signal strength	SSP	standard switch panel
			Strategic Systems Program

S ABBREVIATIONS AND ACRONYMS

	supervisory stack pointer	STARS	Space Flight Operations Telemetry Acquisition and Reporting System
SSPC	Steel Structures Painting Council		Spacelift Training and Range Shadow
SSPINST	Strategic Systems Project (Office) Instruction (Navy)		Stellar Acquisition and Recording System
SSPM	Software Standards and Procedures Manual		Surface-to-Air Recovery System
SSPO	Strategic Systems Project Office (Navy)		Strategic Arms Reduction Treaty
SSR	Schedule Status Report	START	Space Transportation Architecture Study
	secondary search radar	STAS	
	Software Specification Review	STATE	Department of State
SSRO	Support (Room) Superintendent of Range Operations	STB	South Terminal Building
SSS	Shuttle Simulation System	STBY	standby
	System Segment Specification	STC	Satellite Test Center
SST	single subscriber terminal		Satellite Test Controller (USAF)
	Subsystem Test		Satellite Tracking Center (Sunnyvale, California)
SSTO	single stage to orbit		sensitivity time control
SSTS	Space Surveillance and Tracking System		Site Test Conductor
SSUS	spinning solid upper stage		Standard Telephone & Cable
SSV	Space Shuttle vehicle		System Test and Calibration
	Space Vehicle Contractor (Titan)	STCG	Synchronized Time Code Generator
SSWS	System Safety Weather Support		
SSYS	Det 1, 1002 SSYS	STCLCC	surface-tension contained liquid oxygen cooler
ST	send timing (per RS-449)	std	standard
	space telescope	STD	Satellite Test Director
	special tooling		Shuttle Test Director
	star tracker		Software Test Description
	straight time	STDN	Satellite Tracking and Data Network
	system test		Space Tracking and Data Network
STA	Safety Technical Advisor		Spacecraft Tracking and Data Network
	Shuttle training aircraft		Spaceflight Tracking and Data Network
sta	station	ST&E	System Test and Evaluation
Sta 00	Patrick AFB, FL	STE	secure telephone element
Sta 01	Cape Canaveral Air Force Station (CCAFS), FL		Secure Telephone Element
Sta 12	Ascension		simplified test equipment
Sta 19	Kennedy Space Center		spacecraft test equipment
Sta 28	JDMTA		special test equipment
Sta 91	Antigua		system test equipment
STAB	stabilization	STE/ICE	simplified test equipment/internal combustion engine
STADAN	Space Tracking and Data Acquisition Network	STEMS	standard emitter simulator
STADIR	station direction	stg	stage
STADIR	Station Director	STG	Shuttle Test Group
STAFFMET	staff meteorologist		Space Task Group
STAG	Sequential Track Analysis through Graphics (Chevaline)	STGS	SCF Transportable Ground Station
STAMGR	Station Manager	STI	Supplemental Test Instruction
STAR	Scheduling Toolset for Automated Ranges	STIC	Ship's Technical Instrumentation Crew
	ship-tended acoustic relay		
STARLAB	DOD Spacelab mission		

ABBREVIATIONS AND ACRONYMS S

STINFO	Scientific and Technical Information Office scientific/technical information	SUI	State Unemployment Insurance
STIS	space telescope imaging spectrograph	SUM	Software User's Manual
STIT	Signature Teletype Instructions	SUMAMP	summing amplifier
STL	space tissue loss	SUP	supplemental
STLDD	Software Top-Level Design Document	SUPIDEN	support identification support identification number
STM	Shuttle Test Manager	Supt	Superintendent
	synchronous transfer mode	Supv	Supervisor
STO	satellite test objectives	SUR	STARS User Room
	store	SURF	state (vector) utilizing raw FTSS (data)
	Systems Test Objectives	SUS	signal underwater sound
STOCC	Space Telescope Operations Control Center	SUSDUPE	suspected duplication
	Spacecraft Test Operations Control Center	SV	safety valve Satellite vehicle Shuttle vehicle space vehicle state vector Sunnyvale, CA
STOMS	Space Telescope Observatory Management System	SVAB	Shuttle Vehicle Assembly Building
STP	sewage treatment plant shielded twisted pair Software Test Plan standard temperature and pressure	SVAC	Shuttle Vehicle Assembly and Checkout (facility)
STP-1	Space Test Payload-1	SVAFB	South Vandenberg Air Force Base
STPR	Software Test Procedure	SVB	Shuttle/Space Vehicle Booster
STR	Software Test Report Software Trouble Report	SVC	service message Space Vehicle Contractor Switched Virtual Channel switched virtual circuit switched virtual channel connection
Store Test (DMNE)	Structures Subsystem	SVCC	
STS	Shuttle Transport System Sonar Tracking System Space Transportation System synchronous transport signal	SVEC	Space Vacuum Epitaxy Center
STS-n	Synchronous Transport Signal Level n	SVGA	Super Videographic Array
STS-Nc	Concatenated Synchronous Transport Signal Level N	SVHS	Super Video Home System
STSS	Sequential Target Scheduling System	SVIMS	Short Vehicle Integrated Management System
STT	Spacelab transfer tunnel	SVIP	Secure Voice Improvement Program
STT/STC	St. Thomas/St. Croix, US Virgin Islands	SVL	Sunnyvale
STU	Secure Telephone Unit Start of Message Station Termination Unit System Test Unit	SVP	state vector processor
STU-III	Secure Telephone Unit Model III	SVPC	switched virtual path connection
STX	start of transmission	SVPOP	State Vector Processor Operational Program
SUA	Special Use Airspace	SVS	Secure Voice System Space Vehicle System
SUBCOR	subject to correction	SvT	Sverdrup Technology, Inc.
subj	subject	SVT&C	Space Vehicle Telemetry and Command
SUBLANT	Submarine Force, US Atlantic Fleet	sw	shortwave switch
SUDZ	SURF Analyst/FEP Analyst	SW	Southwest Space Wing
SUE	Shuttle-unique equipment	SWAT	short wave adaptive technique
		swbd	switchboard
		SW/CC	Space Wing Commander
		SWCDR	Software Critical Design Review

S

ABBREVIATIONS AND ACRONYMS

SWCEN	switching center
SWCM	Software Configuration Management
SW/CV	Space Wing Vice Commander
SWFLANT	Strategic Weapons Facility, Atlantic
SWFPAC	Strategic Weapons Facility, Pacific
SWI	SW Instruction
SWIS	SLRS Weather Information System
SWO	Shop Work Order
SWPDR	Software Preliminary Design Review
SWR	standing-wave ratio
SWS	source and word selector
SW/SE	Space Wing Chief of Safety
SWTB	Southwest Terminal Building
sync	synchronization
	synchronize
	synchronous
sync patt	synchronization pattern
SYS	system
SYSADM	System Administrator
SYSCLK	System clock
SYSCON	Systems Control
SYSCONCEN	Systems Control Center
SYSFAIL	System Fail signal
SYSRESET	System Reset signal

ABBREVIATIONS AND ACRONYMS

T

T	test coordinates time-referenced to azimuth and elevation training ton(s) tracking transmit transmit to	TACS	Tactical Air Control System Telemetry Antenna Control System Theater Army Communications System
T + (or -)	plus (or minus) time of launch or test	TACSAT	Tactical Communications Satellite
T -0	time of launch or test	TACSATCOM	Tactical Satellite Communications
T&C	Telemetry and Command	TAD	Task Analysis Document
T&CS	Timing and Countdown System	TADDS	Tactical Automatic Digital System
T&DA	Tracking and Data Acquisition	TADIL	tactical data information link
T&E	Test and Evaluation	TAE	time, azimuth, and elevation
T&FS	Tracking and Flight Safety	TAEM	Terminal Area Energy Management
T-AGM-*	T - civilian-manned ship assigned to the navy's MSC. AGM - aux. missile RIS. * - number	TAER	time, azimuth, elevation angle, range
T-AGM-23	USNS Observation Island	TAGS	Test and Graphics System Two-Axis Gimbal System
T-time	time as referenced to zero by schedule or countdown	TAI	Temps Atomique International (International Atomic Time)
T/A	traffic analysis	TAIL	Trident Acquisition and Impact Location
T/C	test conductor	TAL	Transatlantic Landing (site) Transoceanic Abort Landing (includes both Transatlantic and Transpacific abort landings)
T/F	timing/firing	TALO	time after lift-off
T/L	talk/listen	TAM-1	broadband telemetry antenna
	translunar coast	TAN	Tananarive, Malagasy Republic (NASA STDN Station)
T/M	talk/monitor		Training Authorization Number
T/O	transmit only	tan	tangent
T/R	transmit/receive	TAOC/MCE	tactical air operations center/ modular control equipment
T/S	transtage	TAPS	Trajectory Accuracy Prediction System
T/T	thrust termination	TAR	Tape file archive
T1	1.544 Mb/s DS-1 trunk	TARE	telemetry automatic reduction equipment
TIDADP	TI DAMA dial pulse	TARPS	Tactical Air Reconnaissance Pod System
TIDADT	TI DAMA DTMF dialing	TARS	Tethered Aerostat Radar System
TA	Table of Allowance target array Technical Advisor	TART	Telemetry-pedestal Angle-data Recording and Transmission System
TAA	telemetry autotracking antenna	TAS	tactical automatic switch
TAAF	test analysis and fix	TASO	Terminal Area Security Officer
TAB	tabulation	TASS	Tactical Automatic Switching System
TAC	tactical Task Acceptance Certificate time accumulator card		TAL Atmospheric Sounding System
TAC CP	Tactical Command Post		terminal-area support ship
TACAMO	take charge and move out	TASTG	Tactical Air Support Training Group
TACAN	Tactical Air Navigation (system)	TAT-5	transatlantic submarine cable 5
TACELIS	Tactical Automated Communications Emitter Location and Identification System	TAT-6	transatlantic submarine cable 6
TACFIRE	tactical fire direction	TATCOG	Test and Target Coordination Group
TACH	tachometer	TATTOP	Telemetry Tracking Operational Program
TACI	terrestrial access circuit identification		test and verification
TACP	Tactical Air Control Party	TAV	transatmospheric vehicle

T

ABBREVIATIONS AND ACRONYMS

TB	Terminal Board	TCR	Temporary Change Request
TBA	to be assigned		Task Closure Request
TBD	to be determined	TCS	Telemetry Control Station (Oak-hanger, England)
TBE	Teledyne Brown Engineering		Terminal Control System
TBF	Talk Battery Filter		Thermal Control Subsystem
TBI	through bulkhead initiator		touch-control screen
TBP	to be provided	TCSCB	transmit CSC buffer
TBR	to be resolved	TCSU	Telemetry Control System Upgrade
TBS	target beam sensor	TCTO	Time Compliance Technical Order
	to be specified	TCTS	traffic and configuration time schedule
	to be submitted		
	to be supplied	TCU	Transmitter Control Unit
TC	Telemetry console	TD	Test Director
	Teleconverter	TDA	Table of Distribution and Allowances
	test code		tunnel-diode amplifier
	Test Conductor	TDAACS	Telemetry Dual Antenna Acquisition Computer System
	Test Controller	TDAS	Telemetry Data Acquisition System
	Test Coordinator	TDC	Technical Data Center
	time constant	TDD	Telemetry Description Document
	Tracker Controller	TDF	tactical digital facsimile
	tracking channel		telemetry data formatter
	true course		timing distribution frame
TCA	thrust chamber assembly	TDFT	Telemetry Data Flow Test
TCB	Trusted Computer Base	TDM	time-division multiplex (TDM-II, etc.)
TCC	Telecommunications Center		time-division multiplexer
	Test Conductor console	TDMA	time-division multiple access
	Time-Division Multiple Access	TDMAS	Teletype Distribution Message Automation System
	Network Control Center	TDME	test, diagnostic and measurement equipment
TCDT	Terminal Countdown Demonstration Test	TDMG	Telemetry Data Monitoring Group
TCF	DIGS curve fit time	TDMMMS	Telemetry Doppler Metric Measurement System
	Technical Control Facility	TDMTDS	Time-Division Multiplexer Timing Distribution System
	test configuration file	TDP	Technical Data Package
TCG	time code generator		tracking data processor
TCI	tracking and data relay satellite	TDPR	Technical Data Package Review Report
	system command interface	TDPS	Tracking Data Processor System
TCLBU	telemetry common language buffer unit	TDR	time domain reflectometer
TCMD	Transportation Control and Movement Document	TDRF	Trident Data Reduction Facility
TCN	task control number	TDRS	Tracking and Data Relay Satellite
	Teletype Coordination Net	TDRSS	Tracking and Data Relay Satellite System
	transportation control number	TDS	Telemetry Data System
TCNE	timing and count network element		Time Distribution System
TCO	telephone central office	TDU	Tracking Designate System
TCP	Technology Control Plan	TDWR	Telemetry Distribution Unit
	traffic control points		terminal doppler weather radar
	transmission control protocol		
TCP/IP	Transmission Control Protocol/Internet Protocol		
TCPO	Twin Chamber Propulsion Unit		

ABBREVIATIONS AND ACRONYMS

T

TDY	temporary duty	TERM	terminal
TE	test engineer		terminate
	thrust exhaust	TES	Task Estimation Sheet
TEAR	Telemetry Analog Equipment Room	TESRP	Test and Evaluation Support Resource Plan
TEAM	Trajectory Estimation and Acquisition Message (program)	TESTAB	Test Channels A and B
	trajectory estimation and mapping	TF	Task Force
TEC	Telemetry Equipment Controller	TFC	Task Force Cmdr (ARIA)
TECH	technical	TFCC	Tactical Flag Command Center
	technician	TFE	Telemetry Front End
TECHTERM	technician terminal display	TFP	Time and Frequency Processor
TECNET	Test and Evaluation Communication Network	TFR	Trouble Failure Report
			Trouble and Failure Report
TECO	third engine burnout	TFU	Theoretical First Unit
TEI	trans-Earth injection	TFWC	Tactical Fighter Weapons Center
TEL	Telemetry	TGIU	Transmitter Group Input Unit
Tel-4	Central Telemetry Station (Ops documents. See also Tel IV)	TGRS	Translated GPS Range System
	Merritt Island Telemetry Station	TGS	Technicolor Graphics Service, Inc.
Tel-9	Telemetry station at Antigua (Sta 9)		transportable ground station
Tel-12	Telemetry station at Ascension (Sta 12)	TGSF	Test Group Support Facility
Tel-IV	Central Telemetry Station (Eng documents. See also Tel-4)	TGSM	terminally guided submissile
		TGT	target
TELCAR	telemetry carrier acquisition and recovery equipment	THB	telemetry head B
		TH	Theoretical
TELCHEV	Tel-4 Chevaline Program	THD	total harmonic distortion
TELCO	telephone company	THEO	theodolite
TELCOM	telecommunication	theo	theoretical tape maker program (computer)
TELECOM	Goddard Space Flight Center Telecommunications Network		theoretical (trajectory)
TELECOM(A)	Australian telephone company	THISTA	this station
telecon	telephone conversation	TI	Texas Instruments
TELECON	teletypewriter conference	TIA	Telecommunications Industry Association
TELEOX	telecommunications exchange		
TELEX	teletypewriter exchange service, at 60 w/min with no conference capability	TIA/EIA	Telecommunications Industry Association/Electronic Industries Association
			transmission identification
TELOPS	Telemetry On-line Processing System	TIARA	tactical intelligence and related activities
TELTA	tethered lighter-than-air		
TELTRAC	Telemetry Tracking (Canoga Acquisition Aid System)	TIC	Telemetry Instrumentation Conference (Net)
			Telemetry Instrumentation Coordinator
temp	temperature		Tool Issue Center
	Test and Evaluation Master Plan	TID	time-independent data
TEMPO	direct Broadcast Television Satellite	TIDE	transponder interrogator and decoding equipment
TEO	Task Execution Order		
TEOF	transmit end of frame	TIDP	Technical Interface Design Plans
TEQCOM	Vendor of DCA Category III Certified Autodin Terminal Software	TIE	telemetry interface equipment
		TIG	time of ignition
TER	test evaluation report	TIM	Technical Interchange Meeting
TEREC	Tactical Electronic Reconnaissance System	TIN	turn-in
		TIP	Time to Intercept Point

T

ABBREVIATIONS AND ACRONYMS

TIPIT	Telemetry Input Processing into Telemetry On-line Processing System	TNKS	trunks
TIPS	Telemetry Integrated Processing System	TO	action to addressee(s) that follow technical order
TIR	terminal imaging radar		Telemetry Observer
TIRC	terminal imaging radar concept		terminate only
TIROS	Television and Infrared Observation Satellite	TOA	Transportation Office
TIU	Timing Interval Unit		Table of Allowance
	Transmitter Interface Unit		Test Operations Analyst
TIV	Titan IV		time-of-arrival
TJS	Tactical Jamming System	TOB	time of availability
TKDC-1	Manually Programmed Time Division Multiplex (system)	TOC	total obligation authority
TKM-1	Telemetry Remote Signal Recorder Subsystem		telemetry output buffer
TKSPAWN	Task Spawn		Tactical Operations Center
TLCO	Technical Laboratory Computer Operations		Temporary Operational Capability
TLCSC	top-level computer software component	TOCC	Technical Order Compliance
TLDR	Technical Laboratory Data Reduction	TOD	Test Operations Controller
TLI	translunar injection		Test Operations Control Center
TLM, tlm	telemetry	TOE	time of day
TLP	transmission level point		time of delivery
TLV	Threshold Limit Value		table(s) of organization and equipment
TM	tactical missile	TOF	time of event
	technical manual		Test Operations Facility
	telemetry ("tlm" preferred)		time of filing
	thematic mapper		Trident Operations Facility
	tone modulation	TOI	true or false
	type maintenance	TOM	Test Operating Instruction
TMALF	Test Message and Load FIFO		Technical Operations Manager (ARIS)
TMDE	test measurement diagnostic equipment	TOMS	total ozone mapping spectrometer
TMI	telemetry indicator	TOO	Test Operations Order
TMIG	telemetry internal guidance	TOP	Telemetry Operational Program
TMINTS	Too Many Interrupts	TOPS	Transistorized Operational Phone System
TMIP	telemetry impact prediction (data source)	TOR	time of receipt
TMIS	Technical Management and Information System	TOS	time of transfer orbit stage
TML	Technical Maintenance Laboratory		Test Operations Support
TMM-7	Telemetry Tape Copy Subsystem	TOT	TRSB Operating System
TMO	Traffic Management Office	TOY	time of transmission
TMP	temperature	TP	time of year
TMR	triple modular redundancy		test procedures
TMS	Traffic Management Specification		test point
	Transport Management System	TP3	touch panel
TN	TDRS network	TPAD	Test point 3
TNAV	DIGS navigation time	TPC	trunnion-pin attachment device
		TPM	telemetry preprocessing computer
			test point monitor
		TPP	Timeline Pop-up Menu
		TPS	time per point
		TPRM	Telemetry Processing System
		TPQ	toxic plume rise model
		TPS	Ground Transportable Radar-Special test program sets
			Thermal Protection System(s)

ABBREVIATIONS AND ACRONYMS

T

	transient power supply	TRNSP	transportation
	Transportation Protective Service	TROPAN	Tropical Analysis Facsimile System
TQ	technical quality	TRR	Test Readiness Review
TQM	Total Quality Management	TRS	Telemetry Receiving Station
TR	tape recorder	TRSB	Telemetry Range Safety buffer
	technical report	TRSS	Tertiary Range Safety System
	test report	TRT	time ready for transmission
	test request	TRVL	travel
	time-to-go retrofire	TRW	Thompson Ramo Wolridge
	transmit-receive		TRW Defense and Space System
TRADEX	Target Resolution and Discrimination Experiment	TS	third stage
TRADOC	United States Army Training and Doctrine Command		thunderstorm
TRAE	time, range, azimuth and elevation		Timing Subsystem
TRAG	Toxic Release Assessment Group		Top Secret
TRAJ	trajectory		transtage
TRANET	Tracking Network of Applied Physics Laboratory (APL)	TS/ART	two-stage
TRANS SET	transmission security	TS/SA	Top Secret Artificer
TRANSAT	TRANSLATOR Satellite for Trident checkout	TSA	Top Secret/Special Access
TRANSPAC	transpacific submarine cable	TSAR	Technical Support Area
TRAP	Terminal Radiation Program (aircraft)		Telemetry System Application Requirement
TRBL	trouble	TSARDA	Test SSDA and Read Data-A
TRCO	Technical Representative of the Contracting Officer	TSB	temporary storage building
TRCS	time with radar cross section	TSC	technical subcommittee, IRAC
TRD	Technical Requirements Document		Test Support Controller
TREA	Treasury Department	TSCO	Top Secret Control Officer
TREE	transient radiation effects on electronics	TSE	test support equipment
TREQ	test request	TSEG	Telemetry Support Equipment Group
TRIA	Telemetry Range Instrumented Aircraft	TSF	Technical Support Facility
TRIB	tributary	TSFR	Test Schedule/Forecast Request
TRIC	transaction identifier code	TSG	Timing Systems Group
TRICCSMA	Trident Command and Control System Maintenance Activity	Tsgt	technical sergeant
TRIO	telemetry/radar input/output	TSI	test support instruction
TRI-TAC	tri-service tactical communications	TSIGB	transmit (GIB) signaling buffer
trk	track(ing)	TSIP	troubleshooting in progress
	trunk	TSMS	Transportable Semi-mobile System
TRKI	Telemetry Receive/Record Subsystem	TSO	Telemetry Systems Officer
TRKI-12	Telemetry Receive/Record Group	TSP	technical support package
TRL	TR limiter		Test Support Point
TRLR	trailer		Test Support Position
TRM	Technical Requirements Memorandum		Trident Support Project
TRMM	Tropical Rainfall Measuring Mission		twisted shielded pairs
TRN	turnaround (transaction)	TSPI	time, space, position information
		TSR	Test Schedule Request
		TSRA	Training System Requirements Analysis
		TSRV	transport systems research vehicle
		TSS	Target Scoring System
			Telecommunications Switching System
			Terminal Support Subsystem
			Tethered Satellite System
			Time Standard Subsystem
		TSSS	Tracking System Source Summary

T

ABBREVIATIONS AND ACRONYMS

TSTPTN	Test Patterns		teletypewriter exchange service, at 100 w/min, with conference capability
tt	teletypewriter		
TT	tape transport		
	Trajectory Tape	TX	transmit ("xmit" preferred)
	Trouble Ticket	TX2	Transmit 2
TT&C	telemetry, tracking, and control		transmitter ("xmtr" preferred)
TTC	tracking, telemetry, and command	TXA	Transducer Excitation Module
TTC&M	tracking, telemetry, control and monitoring	TXD	Transmit data
TTE	technique transition element	TXDCLK	Transmit clock
	time to endangerment	TYP	typical
TTI	test teletype instruction	TYPE N	a size and type of coaxial connector
TTK	technician tool kit		
TTL	transistor-transistor logic		
TTNP	tactical telephone numbering plan		
TTP	target trajectory plotter		
TTPM	TRSB Test Program (the M is assigned by programmer and is arbitrary)		
TTR	target-tracking radar (Ascension)		
TTS	Thule Tracking Station		
	Time Transfer System		
TTYB	transmit console buffer		
TTU	Terminal Timing Unit		
	Timing Terminal Unit		
TTY	teletype		
	teletype message (not equipment)		
	teletypewriter		
TU	Tape Unit		
TUC	type usage code		
TV	television		
TVA	Temporary Variance Authority		
TVC	thrust vector control		
TVFM	Time of Vehicle First Motion		
TVI	television interference		
TVO	television operations		
	television operator		
TVOC	TV Operations Control		
	TV Operations Center		
TVOCC	TV Operator/Command console		
TVRO	television receive only		
TVSS	Television and Video Switching Subsystem		
	television skyscreen		
TW/AA	threat warning/attack assessment		
TWEFS	Thunderstorm Weather Expert Forecast System		
twr	tower		
TWS	thermal weapons sight		
TWSTT	Two-way Satellite Time Transfer Systems		
TWT	traveling-wave tube		
TWU	Transport Workers Union		
TWX	teletype message		

ABBREVIATIONS AND ACRONYMS

U

U	Unclassified	UK/OCC	United Kingdom/Operational Control Center
U-bus	utilities bus	UKIRT	United Kingdom infrared telescope
U/B	underburn	UKMOD	United Kingdom Ministry of Defence
U/L	uplink	UKS	United Kingdom subsatellite
U/M	units of minutes	UL	Underwriters Laboratories, Inc.
U/S	units of seconds	ULA	Alaska Ground Network Station (3-letter designator)
UA	User Agency	ULE	Ultra-low expansion
UARS	upper atmosphere research satellite	ULV	unmanned launch vehicle
UART	Universal asynchronous receiver/transmitter	ULYSSES	former International Solar Polar Mission
UASC	Upper Air Systems Coordinator	UM	umbilical mast
UAV	unmanned air vehicle		upper middle
UB	undistributed budget	UMD	Unit Manning Document
UBE	upper bandedge	UMS	unmanned secure Unmanned System
UBPPA	Uni-Bell PVC Pipe Association	UNCAL	uncalibrated
UBR	unspecified bit rate	UNCL	Unclassified
UC	unified control	UND	urgency-of-need designator
UCA	Undefined Contractual Action	UNI	user-network-interface
UCB	universal control bus	UNIBUS	DEC term; high-speed bus
UCCS	Universal Camera Control System	UNIV	universal
UCT	Universal Coordinated Time	UNIX	Universal Interactive Executive
UCT/Comm	Uncorrelated Target/Communications Processor Computer System	unk	unknown
		UNMIPS	Uniform Material Movement and Issue Priority System
UCCU	Universal Camera Control Unit	UPB	universal program bus
UCP	unit control position	UPGWA	United Plant Guard Workers of America
UCS	universal camera site	UPS	uninterruptible power supply
UCSS	Universal Communication Switching System		United Parcel Service
UCT	Universal Coordinated Time		Utilizations Planning Support
UD	unobtainable data	UPSR	unidirectional path switched ring
UDB	update buffer	UPSS	Uninterruptible Power Supply System
UDI	U-Drive-It	UPT	Universal Protocol Translator
UDL	update link	URA	Uniformly redundant array
UDMH	unsymmetrical dimethyl hydrazine	URC	unique recycle code
UDOP	Ultrahigh Frequency Doppler (system)	URL	uniform research locator
UDP	Internet User Datagram Protocol	US	United States
UDS	Universal Data Systems		upper stage
	Universal Documentation System	USA	United States of America
UES	Universal Environmental Shelter		US Army
UFC	uniform freight classification	USACC	US Army Communications Command
UG	underground	USACEEIA	US Army Communications Electronics Engineering Installation Agency
UHF	ultrahigh frequency (300 - 3000 MHz)	USACIDC	US Army Criminal Investigation Command
UHFTDS	UHF Timing Distribution System	USAF	US Air Force
UI	unit of issue	USAFSC	US Air Force Space Command
UIL	Universal Interface Language		
UIR	upper flight information region		
UJC	urgency justification code		
UK	United Kingdom		

U

ABBREVIATIONS AND ACRONYMS

USAFSD	US Air Force Space Division	UTDF	universal tracking data format (STDN)
USAKA	US Army Kwajalein Atoll		
USAREUR	US Army Europe		
USART	universal synchronous/asynchronous receiver/transmitter		
USASA	US Army Security Agency		
USASC	US Army Signal Center		
USB	unified S-band		
	universal serial bus		
	universal sideband		
	upper sideband		
USBI	United Space Boosters, Inc.		
USBS	USB System		
USC	US Code		
	Upper Stage Contractor		
USC&GS	US Coast and Geodetic Survey		
USCG	US Coast Guard		
USCINCEUR	US Commander in Chief, Europe		
USCS	US Custom Service		
USDCFO	US Defense Communications Field Office		
USDR&E	Undersecretary of Defense Research and Engineering		
USEPA	US Environmental Protection Agency		
USMC	US Marine Corps		
USMCR	US Marine Corps Reserve		
USML	US Microgravity Laboratory		
USMP	US Microgravity Payload		
USN	US Navy		
USNO	US Naval Observatory		
USNO(MC)	US Naval Observatory (Master Clock)		
USNR	US Navy Reserve		
USNS	US Naval Ship (noncombat)		
USNWC	US Naval Weapons Center		
USP	user stack point		
USPS	US Postal Service		
USS	US Ship (combat)		
USSPACECOM	US Space Command		
USUCC	US Undersea Cable Corporation		
USWB	US Weather Bureau (NOAA)		
UT	umbilical tower		
UT ₂	Universal Time		
UTACS	Universal Telemetry Acquisition Control Software		
UT/CSD	United Technologies/Chemical System Division		
	Uncorrelated Target/Comm Processor		
UTC	United Technology Corporation		
	Universal Time Coordinated		
UTD	user tabulated display		

ABBREVIATIONS AND ACRONYMS

U

UTIL	utility
UTL	utilities
UTP	unshielded twisted pair
UTSPIT	UT Serial Processing Interface for Team
UTTR	Utah Test and Training Range
UUT	unit under test
UV	ultraviolet
	undervoltage
UVCA	ultraviolet camera assembly
UVLIM	ultraviolet limb
UVPI	ultraviolet plume instrument
UVW	U-axis/V-axis/W-axis
UW	unique word
UX	Unix

ABBREVIATIONS AND ACRONYMS



V	velocity	VCR	Vehicle Control Representative
	verify		video cassette recorder
	volt(s)	VCRGP	VC Radar Graphics Processor
V ac	volts, alternating current	VCRM	Verification Cross Reference Matrix
V dc	volts, direct current	VCS	video count status
V p-p	volts peak-to-peak	VCSCP	VC Switch Control Processor
V-gamma	Velocity-gamma (flight path angle)	VCT	vault control technician
V/C	velocity versus time	VCUC	vector control user console
V/D	voice/data	VCXO	voltage-controlled crystal oscillator
V/F-F	voice/facsimile-facsimile	VDA	video and pulse distribution amplifier
V/m	volts per meter		video distribution amplifier
VA	vector address	VDB	Vandenberg (C-band WR)
	Veterans Administration	VDBC	JSC identifier for WR TPQ-18 C-band Radar at Vandenberg AFB, CA
VAB	volt amperes		
	Vehicle Assembly Building (NASA) (KSC)	VDC	volts direct current
VABR	VAB repeater	VDD	Version Description Document
VAC	variance at completion	VDFC	JSC identifier for WR FPS-16 C-band Radar (SN-18) at Vandenberg AFB, CA
	VAD vehicle address (computer I/O routine)		
VAFB	Vandenberg Air Force Base, California	VDHC	JSC identifier for WR HAIR Radar at Vandenberg AFB, CA
VAIL	vehicle acquisition and impact locator	VDL	voice direct line
VAL	validation message	VDM	vehicle down for maintenance
VAM	vehicle attitude message	VDMC	JSC identifier for WR MOTR MPS-39 Radar at Vandenberg AFB, CA
VAP	vector array processor		
Var	volt-ampere reactive	VDP	vehicle deadlined for parts
VARs	Vehicle Automated Record System	VDS	Video Distribution System
VAS	video analog switch	VDSC	JSC identifier for WR FPS-16 C-band Radar (SN-21) at Vandenberg AFB, CA
	visual infrared spin-scan radiometer atmosphere sounder		
VASE	video/audio switch element	VDT	Video Display Terminal
VAV	variable air volume	VEA	Vehicle Entrapment Area
VAX	virtual address extended	VECO	vernier engine cutoff
VBA	valid base address	VECOS	Vehicle Checkout System
VBE	voltage, base-emitter	VEDD	Video Encoder/Decoder/Digitizer
VBR	variable bit rate	VEE	vector error estimate
VC	Vector Controller	veh	vehicle
	Virtual Channel	VEH/EQ	Vehicle/Equipment Support
VCC	vector control console	VEL SC	Velocity Scale
	variable command count	VEMS	Versatile Exercise Mine System
	video control console	vert	vertical
	virtual channel connection	VF	voice frequency
	voltage collector	VFCC	Visual Field Communications Center
VCD	vector control display		
VCDP	vector control display processor	VFCT	voice frequency carrier teletype
VCDS	Vector Control Display System	VFO	variable-frequency oscillator
VCF	vector control function	VFTG	voice-frequency telegraph
VCI	virtual channel identifier	Vg	velocity to be gained
VCO	voltage-controlled oscillator	VGA	Videographic array
VCOC	vector control operator console	VGC	voice-grade channel
VCP	vector control processing	VH	verification head
	vector control processor		

V

ABBREVIATIONS AND ACRONYMS

VHF	very high frequency (30-300 MHz)	VOX	Virtual Operating System
VHF AM	very high frequency amplitude - modulated	VP	voice-operated relay
VHRR	very high resolution radiometer		vertical plane
VHS	Video helical scan		Virtual Path
	Video Home System	VPC	Virtual Path Connection
	Video Tape Format	VPDU	Vehicle Power Distribution Unit
VHSIC	very high speed integrated circuits	VPF	Vertical Processing Facility
VIA	versatile interface adapter	VPHD	vertical payload handling device
VIB	Vertical Integration Building (Titan)	VPI	virtual path identifier
VID	vehicle identification (codes)	Vpp	Volts peak to peak
VIF	Vehicle Integration Facility	VPR	Vehicle Path Ring
VIO	versatile input/output	VPRS	Velocity and Position Recording System
VIP	very important person		
VISSR	visible and infrared spin-scan radiometer	VRACS	Vandenberg Range Area Control System
VITC	Visual Information Technical Contract	VRCCC	Vandenberg Communications Control Center
VL	vertical lift	VPS	Vehicle Peculiar Supplement
VLA	vented lead acid	VRCS	Vernier Reaction Control System
VLDDSS	Very Low Density Data Switching System	Vrms	Volts root mean squared
VLF	very low frequency (3-30 kHz)	VRP	video remote patching
VLP	vehicle location and position	VRPS	Video Remote Patching System
VLS	Vandenberg Launch Site	vs.	versus
VMA	valid memory address	VSAT	Very Small Aperture Terminal
VMD	video motion detector	VSC	Velocity Scale Code
VME	Versa Module Eurocard		Video Switching Center
	virtual machine environment	VSDD	video serial data distribution
VMEbus	Versa Module Eurocard bus	VSE	Video Switch Element
VMI	VME Microsystems International	VSHW	vertical shear of the horizontal wind
VMIC	VME Microsystems International Corporation	VSO	various scheduled objects
VMM	virtual memory module		Video Systems Officer
VMS	Virtual Memory System	VSPT	VAX pretest display
VMTC	JSC identifier for WR MOTR MPS-39 Radar (same antenna as VMDC-different track files)	VSS	Volumetric Scan System
		VSWR	voltage-standing-wave ratio
VNE	video network element	VT	velocity versus time
VOC	vehicle out of commission		video tape
VOCO	verbal orders of Commanding Officer	VTAM	VAX/team-based acquisition message
V _{OH}	High-level output voltage		VAX trajectory estimate
V _{OL}	Low-level output voltage		acquisition message
VOL	Volume		Virtual Telecommunications Access Method
volt°	volt-degree	VTO	vertical takeoff
VOR	VHF omnirange (an air navigation aid)	VTP	Verification Test Plan
	voice-operated recorder	VTR	Verification Test Report
	voice-operated relay ("VOX" preferred)		video tape recorder
VORTAC	VHF Omni-Range/Tactical Air Navigation	VTRS	Vandenberg Tracking Relay Site
VOS	vehicle on stand	VTs	Vandenberg Tracking Station
		VTSP	visual tracker signal processor
		VTT	vehicle tanking test
		vtvm	vacuum-tube voltmeter
		VU	volume unit
		VV	velocity vernier

ABBREVIATIONS AND ACRONYMS

V

VVDS	VAX Verification Display System
VWL	variable word length
VWS	vertical wire skyscreen
VWSN	Visual Warning Sight-North Visual Warning Signal-North (Building 36605)
VWSS	Vertical Wire Sky Screen
VXDS	VAX RSDS
VXGP	VAX Global Present Position

W

ABBREVIATIONS AND ACRONYMS

W	watt(s)	WHS	White Sands, NM
	West	WHSC	JSC identifier for WSMR FPS-16 C-band Radar (R-113), White Sands, NM
	width		
w/	with	WHSE	warehouse
W/F	waveform	WI	Wallops Island, Virginia
W/m ²	words per minute squared	WICOMO	Wang Institute cost model
w/min	words per minute	WIFNA	white inhibited fuming nitric acid
W/O	Work Order	WILCO	support requirement which can be met
w/s	words per second		
W/S	workstation	WINDS	Weather Information Network Display System
WA	Weather Advisory	WIPT	Weather Integrated Product Team
WAAF	Wheeler Army Airfield	WIS	Wideband Instrumentation System Worldwide Information System
WAM	window addressable memory		
WAN	wide area network	WL	Weapons Lab
WANIN	Wide Area Network Interface Unit	WLOPS	Wallops Station (NASA)
WATS	Wide Area Telephone Service	WLP	Wallops Orbital Tracking Station
WAVE	Wideband Angular Vibration Experiment	WLPS	Wallops Island, Virginia
		WLS	Western Launch Site
WB	wideband	WMIDDS	application software for MIDDS
WBDL	Wideband Data Line	WMO	World Meteorological Organization
WBR	wideband recorder		
	work bench rack	WNCC	Wheeler Neetwork Control Center
WBS	Work Breakdown Structure	WNGC	Wing Commander
WBT	wait before transmit	WNGV	Wing Vice Commander
	wideband tape	WO	Work Order
WCC	write control command	WOCE	World Ocean Circulation Experiment
WCCL	write control clock	WOM	Woomera, Australia
WCE	wavefront control experiment	WOPR	Wing Officer with Primary Responsibility
WCOOA	West Coast Offshore Operating Area		
WCPR	Wing Command Post Representative	WORM	write once read many (optical disk)
WCSC	West Coast Switching Center	WOW	weight on wheels
WCU	Watchdog and Control Unit	WP	wash post
	work code unit		wavefront processor
WD	workday(s)		Wing Planner
	working days		word processor
WDF	wideband downlink formatter	WPAFB	Wright-Patterson Air Force Base
WDM	wave division multiplexing	WPE	weather products element
WDMAP	World Map	WPL	Work package leader
WDR	wet dress rehearsal	WQC	underwater communications
wea	weather	WR	War Reserve
WECO	Western Electric Company		Western Range
WFC	Wallops Flight Center	WR/A	Work Request/Authorization
WFC-1	Winchester/floppy controller 1	WR/ALC	Warner Robins/Air Logistic Command
WFF	Wallops Flight Facility		
WFG	waveform generator	WRAMA	Warner Robins Air Materiel Area
WFM	write file mark	WRE	weather radar element
WFS	wavefront sensor	WROCC	Western Range Operations Control Center
wg	waveguide		
WGS	World Geodetic Survey	WRSK	War Readiness Spares Kit
WH	warhead	WS	Weather Squadron
WHCA	White House Communications Agency		windsonde
			Work Statement

ABBREVIATIONS AND ACRONYMS



WSAS	WWMCCS Standard ADP System	WSC	White Sands Complex (3-letter designator)
		WSC-3	satellite terminal
		WSD	weather support display
		WSE	WWMCC System Engineering
		WSEG	Weapons System Evaluation Group
		WSF	weather support function
		WSGS	White Sands Ground Station
		WSGT	White Sands Ground Terminal
		WSMC	Western Space and Missile Center (VAFB, CA)
		WSMC	White Sands Missile Center
		WSMR	White Sands Missile Range
		WSNWF	White Sands NASA Wing Facility
		WSO	weather service office
		WSR	Weather Service Radar
		WSR-74C	Weather Surveillance Radar
		WSRP	W-sensor receiver processor
		WSRV	Windsonde Real-time Reduction module
		WSSH	White Sands Space Harbor
		WSSR	JSC identifier for WSMR FPS-16 C-band Radar (R-127), Stallion, NM
		WSU	Weather Support Unit (SE)
		WT	weight
		WU	Western Union
		WW	weather warning
			wirewrap
		WWABNCP	Worldwide Airborne Command Post
		WWMCCS	Worldwide Military Command and Control System
		WWV	National Bureau of Standards Time Broadcast Station
			Worldwide Voice
		WWVB	Worldwide Voice - B
		WWW	World weather watch
			World Wide Web
		WX	weather
		Wx. Recon.	Weather Reconnaissance
		WXS	Weather Subsystem
		WYE	4-wire, 3-phase transformer

X ABBREVIATIONS AND ACRONYMS

X	power (optical) orthogonal axis
x	by (between dimensions)
X2	Exemption Category 2 to 10 Year Declassification
X5	Exemption Category 5 to 10 Year Declassification
XBA	Director of Army Tests
xcvr	transceiver
XDCR	transducer
XDS	Xerox Data Systems, Inc.
xducer	transducer
XFTP	X Windows File Transfer Protocol
XIF	External Interface
xmit	transmit
xmtr	transmitter
XOR	Exclusive OR
XP	Plans Office
xponder	transponder
XSSD	multiple speed synchronous data
xtal	crystal
XTE	X-ray Timing Explorer
XY	Range Communications (building)
XYZ	X-axis/Y-axis/Z-axis Earth Fixed Coordinate System

Y	yaw (north/south) orthogonal axis
yd	yard(s)
yd ²	square yard(s)
yd/s	yards per second
yd/s/s	yards per second per second
yr	year(s)
ytd	year to date

Z ABBREVIATIONS AND ACRONYMS

Z	impedance vertical axis Zulu (see also “GMT”)
ZAD	Zero Axis Detector
ZI	Zone of Interior
ZIF	zero insertion force
Zulu	Greenwich mean time